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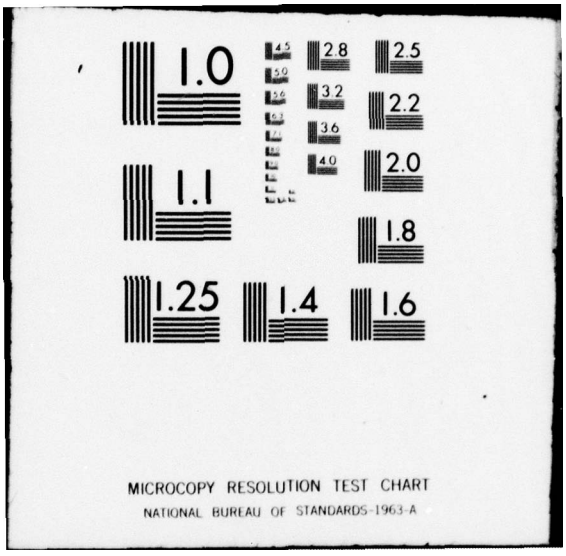
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NMCS INFORMATION PROCESSING SYSTEM 360 FORMATTED FILE SYSTEM (NIPS 360 FFS)

DEFENSE COMMUNICATIONS AGENCY

VOLUME IX
ERROR CODES

USERS MANUAL

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NMCS INFORMATION PROCESSING SYSTEM 360 FORMATTED FILE SYSTEM (NIPS 360 FFS)

Users Manual

Volume IX - Error Codes

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ABSTRACT

This volume presents the errors that may be encountered by the user of the NIPS/360 FFS. The identification, causes, and user actions of these errors are described for each component of the system.

This document supersedes CSM UM 15-74, Volume IX.

CSM UM 15-78, Volume IX, is part of the following additional NIPS 360 FFS documentation:

CSM UM 15-78	Vol I	- Introduction to File Concepts
	Vol II	- File Structuring (FS)
	Vol III	- File Maintenance (FM
	Vol IV	- Retrieval and Sort Processor (RASP)
	Vol V	- Output Processor (OP)
	Vol VI	- Terminal Processing (TP)
	Vol VII	- Utility Support (UT)
	Vol VIII	- Job Preparation Manual
TR 54-78		- Installation of NIPS 360 FFS
CSM GD 15-78		- General Description

ERROR CODES

Section 1

INTRODUCTION

This volume contains all of the NIPS 360 FFS system error codes, causes, and user actions required to correct the condition for all components of the system. Operating System/360 codes are not included since they are adequately documented in the manufacturer's publications. Organization of this volume allocates a section for each of the major system components. Within each section the error codes are arrayed in sequence and are associated with explanatory text describing the cause of the error and the user action required to alleviate the condition causing the error.

Section 2

FILE STRUCTURING

ERROR CODES

During the execution of the File Structuring (FS) component, messages to the user may appear on the output listing. These messages fall into four classes. Within each class the messages are presented in alphabetical sequence with the causes and actions to be taken.

a. Advisory Messages - These messages are advisory in nature to tell the user of certain conditions detected during the FS run. They may indicate default actions taken, status of the FFT, and areas where there is a possibility of an error occurring.

b. Error Messages - These messages indicate errors made by the user in his file definition. The occurrence of any message in this class will cause File Structuring to terminate processing after all statements have been thoroughly edited and before the actual FFT is placed on a disk volume. Generally the source statement in which the error was detected is printed immediately before the message.

c. Special Messages - These messages indicate system malfunction and are not caused by errors in file format specification. With exception of the messages which may indicate that larger disk work areas are required, the user should contact the system maintenance programmer if the same error persists.

d. Abnormal End Error Messages - Some cases of system malfunction will cause an abnormal end of the job. In this case no error message is printed but a three-digit user's error code will appear on the SYSPRINT device.

e. Index Specification Messages - Index Specification statements may be included in the input stream when structuring a file. FS does not process these statements, but writes them on a work file for use by Index Specification, which will be executed only if FS completes normally. All Index Specification messages consist of a four-digit number beginning with 33, followed by message text describing the error. Where applicable, the erroneous input statements will be printed following the message.

2.1 Advisory Messages

FILE XXXXXXXX WAS STRUCTURED AND PLACED ON PACK XXXXXX.

Cause - Self-explanatory.

Action - None.

CONTROL FIELDS MUST BE ALPHA MODE - FS HAS SET MODE TO ALPHA.

Cause - All fields and groups used for control purposes must be in ALPHA mode. The current field statement was used for control purposes and not defined by the user in ALPHA. Therefore, the system defaulted automatically.

Action - This default action may concern the user if any conversion subroutines had been specified to operate on the field in the original mode.

ERROR CODES

CONTROL GROUP MODE IS ALPHA.

Cause - The current GROUP statement has defined a control group with a mode other than ALPHA. The system has automatically assigned the ALPHA mode.

Action - Inspect situation to see if this assumption may be valid. This is especially true if subroutine conversion for this group was anticipated.

SUB/TAB MODE DEFAULTS TO ALPHA.

Cause - No mode specification was defined in any manner for SUB/TAB statement. Therefore, a default is made to ALPHA mode.

Action - Inspect situation to see if this assumption will be valid.

COORD STATEMENTS HAVE EXCEEDED MAX AMOUNT.

Cause - More than 20 COORD statements have been submitted for the current file.

Action - The structure must be modified to reduce the number of coordinate mode fields to 20 or less. Remember that the coordinate mode is only needed for those fields which are to be used in CIRCLE SEARCH and POLYGON OVERLAP retrieval operations. Data fields for coordinates not used in such operations may be defined in ALPHA mode.

ERROR CODES

DUPLICATE EDIT NAME - THIS STATEMENT DROPPED.

Cause - Two edit statements used the same edit name.

Action - Investigate which statement is correct and remove the extra one. If the extra one occurred second this isn't necessary.

EDIT STATEMENTS HAVE EXCEEDED MAX ALLOWED.

Cause - More than 50 edit masks were defined for the current file. All edit statements over this amount are ignored.

Action - Attempt to reduce the number of different edit masks to 50 or less. Some FIELD and GROUP statements requiring those masks which were dropped will produce errors.

LABEL DROPPED.

Cause - The label for the current GROUP statement could not be accommodated in the internal table for the set. The label is dropped.

Action - The maximum number of characters for all labels in a set is 2000. If a label is desired, shorten labels on other fields and groups of this set.

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ERROR CODES

LABEL DROPPED - LABEL FOR CURRENT SET EXCEEDED.

Cause - The current FIELD statement label has caused an overflow in the internal label table for the set. Up to 2,000 characters may be used for labels in any one set. The statement is accepted but without any label for the field.

Action - If a label is desired for this field, then the definition of the current set should be modified to reduce the volume of label characters.

MODE DEFAULTS TO ALPHA.

Cause - No mode specification was defined in any manner for the current GROUP statement. Therefore a default is made to ALPHA mode.

Action - Inspect situation to see if this assumption will be valid.

MODE DEFINED BY INPUT SUBROUTINE.

Cause - The mode of the current GROUP statement has been obtained from the input conversion subroutine specification.

Action - None.

ERROR CODES

MODE DIFFERS FROM INPUT SUBROUTINE.

Cause - The mode associated with an input subroutine, defined for the current GROUP statement, does not match that supplied for the group itself. The statement mode prevails.

Action - Inspect situation to see if future errors may result from this condition.

MODE DEFINED BY OUTPUT SUBROUTINE.

Cause - The mode of the current GROUP statement has been obtained from the output conversion routine.

Action - None.

MODE DIFFERS FROM OUTPUT SUBROUTINE.

Cause - The mode associated with an output subroutine, defined for the current group statement, does not match that supplied for the group itself. The statement mode prevails.

Action - Inspect situation to see if future errors may result from this condition.

PERMANENT I/O ERROR OCCURRED WHILE READING SUBROUTINE LIBRARY.

Cause - An I/O error occurred while searching the subroutine library for a parameter verification.

Action - If verification is desired, the run may be retried. If the error persists, the system maintenance programmer should be contacted.

SUBROUTINE APPLICATION DEFINED BY STATEMENT DIFFERS FROM LIBRARY DIRECTORY.

Cause - The SUB/TAB statement's usage does not agree with the usage contained in the library. The library directory value is substituted.

Action - Since the values do not agree, an error may occur during file generation. This message should be considered as a possible error unless the subroutine is going to be modified.

SUBROUTINE DOES NOT RESIDE IN LIBRARY - NO VERIFICATION POSSIBLE.

Cause - The subroutine name on the current SUB/TAB statement cannot be found in the library.

Action - Complete verification of subroutine/table parameters requires that the subroutine be loaded on the library before File Structuring is run.

SUBROUTINE INPUT DATA LENGTH DEFINED BY STATEMENT DIFFERS FROM LIBRARY DIRECTORY.

Cause - The input data length defined in the current SUB/TAB statement does not agree with the length as contained in the directory. The length value from the library is substituted.

Action - Since the length values do not agree, an error may occur during file generation. This message should be considered as a possible error unless the subroutine is going to be modified.

SUBROUTINE INPUT DATA MODE NOT RECOGNIZED - BY DEFAULT MODE IS SET TO ALPHA.

Cause - The current SUB/TAB statement does not have a recognizable term to define the data mode to be processed by a subroutine. Mode set to ALPHA by default.

Action - If default operation is not satisfactory, the statement should be corrected.

SUBROUTINE INPUT MODE DEFINED BY STATEMENT DIFFERS FROM LIBRARY DIRECTORY.

ERROR CODES

Cause - The input data mode defined in the current SUB/TAB statement does not agree with the value as contained in the library. The value from the library directory is substituted.

Action - Since the values do not agree, an error may occur during file generation. This message should be considered as a possible error unless the subroutine is going to be modified.

SUBROUTINE LIBRARY NOT FOUND FOR VERIFICATION OF PARAMETERS.

Cause - The subroutine library was not available on the computer installation for a verification of the SUB/TAB statement versus what the actual subroutines expected.

Action - Though advisory in nature, this can be serious since the library must be available when the file is built. Besides, the verification of the conversion subroutines involved is quite important at this stage to avoid serious errors since much time has been spent on file implementation.

SUBROUTINE NAME HAS PREVIOUSLY BEEN ASSIGNED - STATEMENT DROPPED.

Cause - Two of the SUB/TAB statements used the same subroutine name.

Action - Investigate which statement is correct and remove the extra one. If the extra one occurred second this isn't necessary.

SUBROUTINE OUTPUT DATA LENGTH DEFINED BY STATEMENT DIFFERS FROM LIBRARY DIRECTORY.

Cause - The output data length, defined in the current length value of the SUB/TAB statement, does not agree with the length as contained in the library.

The length value from the library directory is substituted.

Action - Since the values do not agree an error may occur during file generation. This message should be considered as a possible error unless the subroutine is going to be modified.

SUBROUTINE OUTPUT DATA MODE NOT RECOGNIZED - BY DEFAULT MODE IS SET TO ALPHA.

Cause - The current SUB/TAB statement does not have a recognizable term to define the data mode resulting from a conversion operation. The mode is assumed to be alpha.

Action - If default operation is not satisfactory, the statement should be corrected.

SUBROUTINE OUTPUT MODE DEFINED BY STATEMENT DIFFERS FROM LIBRARY DIRECTORY.

Cause - The output data mode defined in the current SUB/TAB statement does not agree with the mode as contained in the library. The mode value from the library directory is substituted.

Action Since the modes do not agree an error may occur during file generation. This message should be considered as a possible error unless the subroutine is going to be modified.

SUB/TAB STATEMENTS HAVE EXCEEDED MAX ALLOWED.

Cause - More than 50 SUB/TAB statements have been processed for the file. All SUB/TAB statements over this value have been ignored.

Action - Reduce the number of different subroutines used by the file.

THE FOLLOWING VARIABLE SET HAS BEEN ASSIGNED SET NO. XXX.

Cause - The message is used to indicate the set number assignment for a variable set.

Action - None.

THE SET NUMBER IS ASSIGNED BY FS.

Cause - This message appears in conjunction with an error message stating that the set assignment was invalid. The remainder of the run is attempted using a system assigned set number.

Action - None.

TOTAL SIZE OF EDIT MASKS HAS EXCEEDED MAX ALLOWED.

Cause - More than 1,000 bytes of storage were needed to contain all of the characters of the edit masks. All remaining EDIT statements are ignored.

Action - Attempt to reduce the number of different edit masks in order to reduce the total size involved.

VARIABLE FIELD MODE SET TO ALPHA.

Cause - The current FIELD statement defined a variable field with a mode other than ALPHA. The system defaulted to ALPHA.

Action - None.

XXXXX EXCEEDS MAX OF 10 BYTES FOR BINARY FIELD - SET TO 10 AS DEFAULT OPERATION.

Cause - A field whose name appears as XXXXX was defined as NUMBER mode with a field size greater than 10.

Action - A field designated as NUMBER mode cannot contain a numeric value greater than 10 bytes within a binary word. Thus the system has automatically truncated the external field size to 10.

ERROR CODES

FILE NAME ENDED IN 'L' OR 'S'.

Cause - The file name specified on the STRUCTURE statement ended in an "L" or "S."

Action - Modify file name to conform to system standards.

FILE STRUCTURE SUCCESSFUL.

This message is printed when the file structure job has successfully defined a file. The FFT will reside on disk depending on the status of the DD statement NEWFILE submitted by the user.

** BAD ** DEFINE XX XXXX

Cause - An error was found in a DEFINE statement an this is the erroneous statement.

Action - Correct the error.

** FOLLOWING IS GENERATED DEFAULT DEFINE STATEMENT

Cause - An error was found in the preceding DEFINE statement and was replaced with the following statement.

Action - Correct the DEFINE statement.

2.2 Error Messages

FILE STRUCTURE UNSUCCESSFUL.

Cause - This message is printed when error messages have occurred during the statement editing process of FS1.

Action - Inspect source listing produced during the file structuring run and correct all errors.

ERROR CODES

A RESERVED WORD WAS USED AS A NAME IN THE ABOVE STATEMENT.

Cause - The name in the current statement was one of the reserved words for NIPS 360 FFS.

Action - Consult reserved word list contained in Volume I, Introduction to File Concepts. Change name to an acceptable term.

ABOVE STATEMENT LABEL IS IMPROPERLY SPECIFIED OR EXCEEDS MAXIMUM LENGTH.

Cause - The label for a field, group, or variable set was in error. Format error possibility. Maximum length is 132 characters.

Action - Check to see that the label is enclosed within "AT" signs and begins immediately following the output function parameter of the statement.

ABOVE STATEMENT NOT RECOGNIZED - TREATED AS INVALID.

Cause - The statement type could not be determined.

Action - Inspect statement operator and correct possible spelling error.

AN INPUT CONVERSION SUBROUTINE HAS BEEN ASSIGNED FOR OUTPUT CONVERSION.

Cause - A statement specified a subroutine/table for output conversion. However, the specifications for the subroutine/table from its SUB/TAB statement specified it as input conversion.

Action - Change specifications on the SUB/TAB statement or if necessary, supply a new subroutine.

ERROR CODES

AN OUTPUT CONVERSION SUBROUTINE HAS BEEN ASSIGNED FOR USE AS INPUT CONVERSION - ALPHA USED.

Cause - A subroutine/table was specified for input use on a FIELD or GROUP statement. However its corresponding SUB/TAB statement stated that it was intended for output use. The mode of ALPHA was assumed for the remainder of the run.

Action - Verify application role and correct as necessary.

BAD VSET STATEMENT - NOGO - BUT SCAN CONTINUED.

Cause - The current VSET statement did not contain all the required parameters.

Action - Inspect the statement and supply the missing parameters.

CLASSIFICATION EXCEEDS 32 CHARACTERS.

Cause - The classification level was specified with more than 32 characters including any embedded blanks.

Action - Modify classification level term such that it is 32 characters or less in length.

CONTROL FOR DATA SET NOW GREATER THAN 250 BYTES.

Cause - The control fields for the file now have a total length larger than that permitted in the system.

Action - Redefine the format to allow smaller key size.

Note: The sum of characters in the control key of a file (includes sum of record and subset control) cannot exceed 244 bytes.

CONTROL ITEM IN A NONCONTROL GROUP.

Cause - A field designated for control use may not be

mixed with other noncontrol fields in the same group. This message is initiated if the first item in a group definition is noncontrol but is followed by one or more which are. In addition, this message indicates sequence error in format definition since all control items must be defined first in the set to which they belong.

Action - Modify GROUP statement definition.

CONTROL FIELD IS OUT OF SEQUENCE - FS HAS CHANGED FIELD TO NONCONTROL.

Cause - The flagged field was not defined first in the set to which it belongs.

Action - Resequence fields so that all control fields are defined first in the set.

COORD MODE INCONSISTENT.

Cause - The use of the coordinate mode in the current GROUP statement is in error. Coordinate mode fields must only appear within a coordinate mode group.

Action - Modify modes of the elements concerned to conform to system standards.

DEFINE STATEMENT USE ILLEGAL

Cause - The use of the DEFINE statement is not permitted when structuring a standard NIPS FFT.

Action - Remove the statement and rerun.

DUPLICATE FIELD/GROUP NAME = XXXXX.

Cause - A duplicate field, group, or variable set name, was detected for the file. The name is represented as XXXXX in the message.

Action - The FFT record defining the second occurrence of the item name is dropped from the FFT on the final data set which is still permitted to be built. The user should change the name of the second statement involved and resubmit the job.

DUPLICATE NAME.

Cause - The current GROUP statement uses a previously defined name.

Action - Change name of group.

EDIT LITERAL EXPECTED - NOT FOUND - WORD USED ANYWAY.

Cause - The current EDIT statement did not have a literal defining the edit mask.

Action - Inspect statement and supply missing edit mask.

EDIT MASK IMPROPERLY SPECIFIED OR EXCEEDS MAXIMUM LENGTH.

Cause - The edit mask in an EDIT statement was in error. Possibly the format may be wrong. Maximum length is 132 characters.

Action - Check to see that the mask is enclosed within "AT" signs and starts in location 14 of the card.

ERROR WORD IS - XXXXX.

Cause - A scan of the statement picked up the term XXXXX which could not be recognized.

Action - Check the spelling of the term XXXXX to make sure it is correct.

ERROR CODES

EXPECTING OPERATOR - FOUND TERMINAL.

Cause - An operator should have been found to indicate the beginning of another statement. Instead, the terminator (.) was picked up from the source stream.

Action - Check to make sure that only one terminator was used to end the previous statement.

FIELD LENGTH DOES NOT CORRESPOND TO SPECIFICATIONS OF INPUT SUBROUTINE.

Cause - The user-defined field length for the current FIELD statement does not match the value expected by the assigned conversion subroutine.

Action - Inspect FIELD statement for possible error in definition. Pick the desired field size and either modify the FIELD statement or the conversion subroutine.

FIELD LENGTH DOES NOT CORRESPOND TO SPECIFICATIONS OF OUTPUT SUBROUTINE.

Cause - The user-defined field length for the current FIELD statement does not match the length expected by the assigned conversion subroutine.

Action - Inspect FIELD statement for possible error in definition. Pick the desired field size and either correct the FIELD statement or modify the subroutine.

ERROR CODES

FIELD STATEMENT INCOMPLETE.

Cause - The current FIELD statement being processed, does not have the required parameters needed to define a field.

Action - Inspect statement and supply the required parameters. Also check that correct syntax is used.

FILE NAME EXCEEDS SEVEN CHARACTERS.

Cause - The name supplied for the file on the structure statement was greater than seven characters in length.

Action - Modify file name to conform to system standards.

FIRST TERM IS NOT STRUCTURE/CREATE/FSJOB OPERATOR.

Cause - The STRUCTURE, CREATE, or FSJOB statements were not found as the first statement in the file structure source deck.

Action - Supply STRUCTURE, CREATE or FSJOB operator statements at the beginning of the source deck with the appropriate file name.

FIXED SET EXCEEDS MAXIMUM LENGTH.

Cause - The total size of fields defined for the fixed set exceeded maximum system capabilities. The maximum number of characters which may exist in a set is 1000. The 1000 characters are split among record control fields, overhead bytes, and user-defined fields. Volume I, Introduction to File Concepts, Appendix A.2, Data File Record, contains an explanation of how the maximum size is calculated.

Action - Redesign format of fixed set to reduce its size.

ERROR CODES

FOLLOWING WORD NOT IDENTIFIED - XXXXX.

Cause - The current SUB/TAB statement contains the term XXXX which cannot be identified.

Action - Inspect statement and correct spelling if necessary. Syntax may also be the problem.

GROUP ITEM NOT FOUND.

Cause - The current GROUP statement has included the name of an element in its name list which could not be located.

Action - Check to see if all elements in the name list are spelled correctly. Also, the element concerned may have been dropped earlier because of errors, thus causing this message.

GROUP ITEMS OUT OF SEQUENCE.

Cause - The elements making up the group have not followed the rules for group definition.

Action - See volume for File Structuring for an explanation of group definition rules and change the statement accordingly.

GROUP STATEMENT DID NOT INCLUDE FIELD NAME OR MODE.

Cause - The current GROUP statement is missing either the field name list or its mode term.

Action - Inspect statement and make sure that the required parameters are present.

ILLEGAL TO DEFINE MORE THAN ONE VARIABLE SET USING THE 1410 NIPS LANUGAGE. CARD DROPPED.

Cause - More than one VSET statement was found in a source deck using the compatible language.

Action - Remove extra VSET statement.

IMPROPER LENGTH SPECIFIED FOR COORDINATE FIELD.

Cause - The current FIELD statement which has been assigned to coordinate mode does not have an acceptable field size. The size which identifies an external format must be one of the values:

5, 6, 7, 8, 11, or 15.

Action - Modify the field length to conform to system standards. See the volume for File Structuring for a discussion of coordinate field sizes.

INCORRECT FIELD LENGTH FOR SPECIFIED EDIT PATTERN.

Cause - The edit mask defined to operate on the current field statement is incorrect. The source length of the field is not capable of being edited by the assigned mask.

Action - Modify either the edit mask in the EDIT statement, or change the field size. See the discussion on writing edit masks in Volume for File Structuring.

ERROR CODES

INVALID STATEMENT HAS BEEN SKIPPED.

Cause - An invalid statement was detected during the language editing process.

Action - Check statement for proper format and spelling.

LENGTH OF INPUT SUBRT IGNORED.

Cause - The length defined by the current GROUP statement does not match the length specification of the input subroutine. For the remainder of the run, the length from the GROUP statement prevails.

Action - Change length specification in either the GROUP or SUB/TAB statements as appropriate.

LENGTH OF OUTPUT SUBRT IGNORED.

Cause - The length defined by the current GROUP statement does not match the length specification of the output subroutine. For the remainder of the run, the length from the GROUP statement prevails.

Action - Change length specification in either the group or SUB/TAB statements as appropriate.

MAXIMUM LENGTH EXCEEDED BY PERIODIC SET NUMBER - XX.

Cause - The total size of fields defined for Periodic Set, whose number appears as XX, exceeded maximum system capabilities. The maximum number or characters which may exist in a set is 979. This includes the size of the key and all user-defined fields.

Action - Redesign format of the Periodic Set XX to reduce its size.

ERROR CODES

MODE OF FIELD IS DIFFERENT FROM THE MODE REQUIRED BY THE INPUT SUBROUTINE.

Cause - The current FIELD statement has a mode defined differently from the mode required by the input conversion subroutine.

Action - Resolve which mode is desired and either correct the FIELD statement or modify the subroutine.

MODE OF FIELD IS DIFFERENT FROM THE MODE REQUIRED BY THE OUTPUT SUBROUTINE.

Cause - The mode defined by the current FIELD statement does not match the mode specification of the output function.

Action - Change the mode specification in either the FIELD or SUB/TAB statement as appropriate.

MODE OF INPUT SUBRT IGNORED.

Cause - The mode defined by the current GROUP statement does not match the mode specification of the input subroutine. For the remainder of the run, the value from the GROUP statement prevails.

Action - Change the value specification in either the GROUP or SUB/TAB statement as appropriate.

MODE OF OUTPUT SUBRT IGNORED.

Cause - The mode defined by the current GROUP statement does not match the mode specification of the output subroutine. For the remainder of the run, the mode from the GROUP statement prevails.

Action - Change the mode specification in either the GROUP or SUB/TAB statement as appropriate.

ERROR CODES

MORE THAN ONE OPERAND FOR CLASS OPERATOR.

Cause - A CLASS statement had more than one parameter. Only one classification level may be specified. If more than one word is needed to state the classification, single quote signs will be used to enclose the value to cause treatment as a single parameter.

Action - Inspect statement and set up classification literal to conform to system standards.

MORE THAN 99 FIELDS SPECIFIED FOR GROUP STATEMENT.

Cause - An attempt was apparently made to define more than 99 items into a group.

Action - Check format of GROUP statement.

MORE THAN 100 *FIELDS/GROUPS DEFINED IN THIS SET.*

Cause - The file has been defined with more than 100 fields in the current set. This exceeds system standards.

Action - Redesign the format for the file to reduce the number of fields in the set.

NO CLASSIFICATION DEFINED FOR FILE.

Cause - No CLASS statement was found in the source deck to provide the classification of the file.

Action - Supply a CLASS statement with the appropriate classification level and place it with the identification statements.

ERROR CODES

NO CLASSIFICATION FOLLOWS CLASS OPERATOR.

Cause - A terminator was found immediately following the CLASS operator.

Action - Insert the classification level as a literal following the operator.

NO CONTROL FIELD OR GROUP WAS DEFINED FOR DATA FILE.

Cause - No elements were defined for record control in the file.

Action - At least one field must be designated for record control. Supply a statement to do this function.

NO END CARD FOUND - ONE PROVIDED.

Cause - An ENDFS statement was not found in the source deck. Statements may be missing.

Action - Supply ENDFS statement after last statement in source deck.

NO END STATEMENT - LAST STMT MAY HAVE BEEN LOST.

Cause - The END statement was not found before end of data occurred on the SYSIN device. Some statements at the end of the source deck may be missing.

Action - Inspect deck to make sure that all statements are present. Put an END statement in the source deck.

ERROR CODES

NO FIELD NAMES RECOGNIZED FOR THE GROUP STATEMENT.

Cause - No field name list could be found for the GROUP statement.

Action - Check format of GROUP statement.

NO FINAL DELINEATOR FOUND FOR LITERAL.

Cause - A term was identified in a statement as a literal since it started with a single quote sign. However, a final quote sign was not located.

Action - Check literal involved and make sure it conforms to system standards.

NO MODE HAS BEEN SPECIFIED FOR THE ABOVE STATEMENT - ALPHA PROVIDED.

Cause - The mode/input function parameter on a FIELD or GROUP statement was missing. The ALPHA mode was assumed for the remainder of the run.

Action - Supply either the mode term or an input subroutine name.

NO STATEMENT SHOULD FOLLOW THE 1410 VSET STATEMENT.

Cause - A statement other than ENDFS was detected after a VSET statement.

Action - Correct sequence of statements in source deck.

ERROR CODES

NONCONTROL ITEM IN A CONTROL GROUP.

Cause - Fields which have been designated for control use must be defined together in groups. The current GROUP statement violates this rule. This message is initiated if the first field in the group is for control use and any remaining ones are not.

Action - Modify GROUP statement definition.

NUMBER GROUP CONTAINS NONNUMER ITEMS.

Cause - The current GROUP statement which is defined with NUMER mode does not contain all NUMER mode elements.

Action - Change modes as appropriate or redesign the group specification.

OPERATOR NOT RECOGNIZED - PROCESSING AS NOTE.

Cause - The current statement was not recognized. The operator which begins each statement was not valid. However, it was processed as a comment for the run.

Action - Inspect statement and provide a correct operator term.

PERIOD EXPECTED, NOT FOUND - BALANCE OF STMT IS NOTE.

Cause - The current statement being processed had more parameters than were required. Therefore, the remaining terms are printed as comments.

Action - Inspect statement for correct contents or missing terminator.

ERROR CODES

PREVIOUS FIELD DEFINED WAS VARIABLE - NO FIELD MAY FOLLOW IN THE SAME SET.

Cause - The current FIELD statement defined a field in the same set in which a variable field has already been specified.

Action - Check set assignment for correct sequence of statements.

SECOND EDIT, XXXXX, SPECIFIED IN ERROR.

Cause - The current GROUP statement has more than one edit specified for the output function. The term XXXXX is the redundant edit name.

Action - Inspect statement and remove the extra edit name as appropriate.

SECOND LABEL FOR FIELD STATEMENT.

Cause - More than one label was found for the current FIELD statement.

Action - The label must be enclosed within single quote signs representing a literal and only one is allowed in the statement. Check contents of statement.

SECOND MODE OPERAND ENCOUNTERED IN GROUP STATEMENT.

Cause - The current GROUP statement has more than one parameter whose spelling identifies it as a mode term.

Action - Inspect the GROUP statement and make sure that only one mode is indicated. The only legal terms for mode are:

ALPHA
NUMER
NUMERIC

COORD
COORDINATES.

These words may not be used for any other purpose.

SECOND OUTPUT LABEL SPECIFIED FOR THIS GROUP.

Cause - The current GROUP statement apparently has more than one output label defined.

Action - Inspect statement and make sure that only one literal appears which is used as a label.

SECOND SUBROUTINE, XXXXX, SPECIFIED IN ERROR.

Cause - The current GROUP statement has an additional subroutine, XXXXX, assigned for a duplicate conversion operation.

Action - Inspect statement and remove redundant specification.

SEQUENCE ERROR IN INPUT SOURCE - RUN ABORTED.

Cause - A break in the sequence numbers of the source deck has been sensed. This check is only provided when the first statement uses a sequence number, otherwise all sequence checking is ignored.

Action - Inspect the source deck for possible missing cards.

SET NUMBER ASSIGNMENT IS NOT CONSISTENT.

Cause - The set numbers, stated in the file structure language statements, must follow a sequential pattern. Periodic sets must start with the designation "1" and each set defined afterward must be increased by one.

Action - Redesignate set numbers to conform with standards.

SET NUMBER OR SPECIAL USE IN FIELD REDUNDANT.

Cause - The current FIELD statement apparently has a duplicate specification for a variable field operation.

Action - Inspect statement contents and correct as necessary.

SET NUMBER REDUNDANTLY SPECIFIED.

Cause - The current FIELD statement apparently has more than one set number specified.

Action - This may be due to syntax errors. Check statement contents.

SPECIAL USE REDUNDANTLY SPECIFIED.

Cause - The current FIELD statement apparently has the special use flag redundantly specified. This refers to the prefix character on the set number indicating control use or variable field applications.

Action - Inspect contents of statement and correct as necessary.

STATEMENT USES PREVIOUSLY DEFINED NAME.

Cause - The name on the current FIELD statement was used earlier. This will cause ambiguous reference to the data record. This message pertains only to duplicate names in the same set.

Action - Change field name to an unused value in the file.

SUBROUTINE APPLICATION UNKNOWN - OUTPUT ASSUMED.

ERROR CODES

Cause - The application parameter could not be determined on a SUB/TAB statement. Output use assumed for remainder of run.

Action - Check statement and correct as necessary.

SUB/EDIT/COORD STATEMENTS NOT ALLOWED AFTER FIRST FIELD OR GROUP STATEMENT.

Cause - One of the above type identification statements was discovered after a FIELD statement.

Action - Move the identification statement to its proper location in the source deck.

SUB/TAB/COORD DOES NOT PRECEDE ALL FIELD/GROUP CARDS.

Cause - One of the identification statements was discovered after a FIELD statement.

Action - Move the identification statement to its proper sequence location in the source deck.

SUB/TAB NAME TOO LARGE - USING FIRST SEVEN CHARACTERS.

Cause - The current SUB/TAB statement defines a subroutine with a name greater than seven characters. The first seven characters of the name were used, succeeding characters were truncated.

Action - Inspect statement and shorten name to seven characters. If the subroutine has already been written and placed on the library, then change its load module name to less than seven characters.

ERROR CODES

TEMPORARY FILE NAME IS PROVIDED BUT NO STRUCTURE.

Cause - The data file name was not provided so a dummy name is assumed for the remainder of the run.

Action - Check the STRUCTURE statement to be sure that a file name is provided.

TOO MANY CONTINUATION CARDS - STATEMENT DROPPED.

Cause - More than three continuation cards were detected for a single statement.

Action - Inspect source deck and shorten statement.

TOO MANY FIELDS/GROUPS DEFINED FOR CURRENT SET.

Cause - The current GROUP statement has caused the definition of more than 100 fields or groups in the same set. The group is dropped for the remainder of the run.

Action - Redesign the format of the file or set to limit the number of element definitions to 100 or less per set.

TOO MANY GROUPS IN SET.

Cause - The current GROUP statement has exceeded the maximum limit of 50 group definitions in a set. The group is dropped for the remainder of the run.

Action - Redefine the set format and change corresponding statements to keep the number of 50 or less.

UNDEFINED EDIT.

Cause - The current GROUP statement called for the use of an EDIT which was not defined.

Action - Supply an EDIT statement defining the edit. It may be that an EDIT statement was supplied but was dropped due to an error.

UNDEFINED EDIT MASK SPECIFIED.

Cause - The current FIELD statement specifies an edit operation on output. However, the edit mask referred to by name is not available.

Action - Supply a definition of the edit with an EDIT statement. Also, the EDIT statement may have been supplied but was dropped due to an error. Correction of the statement will remove this error.

UNDEFINED INPUT SUBRT.

Cause - The current GROUP statement called for the use of an input conversion subroutine which was not defined.

Action - Supply a SUB/TAB statement defining the subroutine. The possibility also exists that such a statement was provided but due to its errors was dropped during the run.

UNDEFINED OUTPUT SUBRT.

Cause - The current GROUP statement called for the an output subroutine which was not defined.

Action - Supply a SUB/TAB statement defining the subroutine. It may be that the subroutine was supplied but dropped due to an error.

UNDEFINED OUTPUT SUB/TAB SPECIFIED.

Cause - The current FIELD statement specifies that an output subroutine is to be used. However, this subroutine has not been defined during File Structuring.

Action - Supply a definition of the subroutine with a SUB/TAB statement. The case may state that the SUB statement was supplied but was dropped due to errors. If this is the case, correction of the statement will resolve this error.

UNRECOGNIZED SUBROUTINE HAS BEEN ASSIGNED FOR INPUT CONVERSION OR MODE IS MISSPELLED - ALPHA USED.

Cause - In the FIELD or GROUP statement, the mode/input function parameter could not be processed. Either the mode term has been misspelled or a subroutine name has been used without its corresponding SUB/TAB statement. The mode of ALPHA is assumed for the remainder of the run.

Action - Check spelling of mode term if no subroutine used. Otherwise supply the necessary SUB/TAB statement.

UNRECOGNIZED SUBROUTINE OR EDIT HAS BEEN ASSIGNED FOR OUTPUT CONVERSION - OVERRIDDEN.

Cause - A name appears in a FIELD OR GROUP STATEMENT as an output function. However, no defined subroutine or edit had its name. Output function dropped for remainder of run.

Action - Supply the necessary SUB/TAB or EDIT STATEMENT to define the output function.

ERROR CODES

VARIABLE FIELD MUST BE LAST.

Cause - The current GROUP statement follows a variable field definition for the same set.

Action - Change sequence of statements. A variable field must be defined last in a set.

VARIABLE FIELD MAY NOT BE PROCESSED BY SUBROUTINE OR EDIT PATTERNS.

Cause - The current FIELD statement defined a variable field with input/output conversion specified. This is illegal.

Action - Remove the input/output conversion specifications from the statement.

XXXXX - CANNOT BE IDENTIFIED.

Cause - The term XXXXX could not be identified in the current FIELD statement.

Action - Check for possible spelling error. If XXXXX represents a subroutine or edit name, supply the required SUB/EDIT statement needed for identification.

XXXXX - EDIT NAME PREVIOUSLY SPECIFIED.

Cause - The current FIELD statement has a redundant specification for the output editing function. The name XXXXX is the redundant edit name.

Action - Inspect statement and correct the specification.

XXXXX - SUB/TAB NAME SPECIFY INPUT/OUTPUT CONVS.

Cause - The current FIELD STATEMENT has a redundant specification for input/output conversion. The name XXXXX is the redundant term.

Action - Inspect statement and correct the specification as the case may be.

2.2.1 Standard Error Messages

2.2.2 Non-NIPS Error Messages

NON-NIPS/BAD REDEFINITION OF RECORD TYPE FIELD

Cause - Attempt to redefine the record type field failed.

Action - Examine the statement to insure that the length is the same and the relative location within the record is consistent with the original definition.

NON-NIPS/** XXXXXXX ** BINARY BOUNDARY ALIGNMENT

Cause - NUMER or COORD field definition is not on the appropriate boundary aligment.

Action - NUMER fields must be aligned on a full-word boundary. COORD fields must be on a full-word boundary when containing either a latitude or longitude and a double-word boundary when containing both latitude and longitude.

NON-NIPS/DUPLICATE DEFINITION OF RECORD TYPE FIELD

Cause - More than one field within the non-repeating record type has been identified as the record type field.

Action - Insure that the statement is not a misplaced redifition from another record type description.

ERROR CODES

NON-NIPS/DUPLICATE REDEFINITION OF RECORD TYPE FIELD

Cause - More than one field within the current record type has been identified as a redefinition of the record type field.

Action - Insure that the statement is not a misplaced redefintion from another record type description.

NON-NIPS/FILLER INVALID AS A FIELD IN A GROUP

Cause - The current GROUP statement included a FILLER field.

Action - Redefine the GROUP as one or more GROUP's without any FILLER fields.

NON-NIPS/FILLER INVALID AS A GROUP NAME

Cause - The current GROUP has FILLER as a name.

Action - Remove the GROUP statement.

NON-NIPS/FIRST DEFINE NOT ESTABLISH FIXED RECORD TYPE

Cause - The first define statement does not identify a record type as a nonrepeating, fixed record type.

Action - Correct the DEFINE statement.

NON-NIPS/HEX CHARACTER IN LITERAL IS INVALID

Cause - On the preceding DEFINE statement, the record type code specified in hexadecimal contains an invalid character.

Action - Correct the invalid character.

NON-NIPS ID SEGMENT PREVIOUSLY DEFINED

Cause - The record ID segment sequence number was previously used with another record ID segment.

Action - Correct the record ID segment sequence number.

NON-NIPS/ID SEGMENT PREVIOUSLY REDEFINED

Cause - The record ID segment being redefined was previously redefined in the current set.

Action - Correct the record ID segment sequence number.

NON-NIPS/ID SEGMENT REDEFINITION-BAD NAME/LENGTH

Cause - The record ID segment being redefined has either an incorrect name or length.

Action - Correct the name or the length value.

NON-NIPS/ID SEGMENT (SEQUENCE NUMBER X) NOT DEFINED

Cause - A segment of the record ID whose sequence number is X, was not defined.

Action - Define the record ID segment by either identifying a field as being that segment or adjusting the sequence numbers accordingly.

NON-NIPS/ID SEGMENT (SEQUENCE NUMBER X) NOT REDEFINED

Cause - The record ID segment identified by sequence number X was not redefined for the current record type.

Action - Redefine the record ID segment.

NON-NIPS ID SEQUENCE NUMBER MISSING, ASSUME 1

Cause - An attempt was made to define a record ID field without an ID sequence number. A temporary default value of 1 is assumed.

Action - Specify an ID sequence number on the statement.

NON-NIPS/INDEX SPECIFICATION ILLEGAL-STATEMENT BYPASSED

Cause - Index Specification is not permitted for non-NIPS files.

Action - Delete the statement.

NON-NIPS/INVALID LENGTH FOR HEX RECORD TYPE CODE

Cause - The hexidecimal representation of the record type code is either more than 20 characters or there is an odd number of characters.

Action - Correct the hexidecimal representation.

NON-NIPS/INVALID LENGTH FOR RECORD TYPE CODE

Cause - The character representation of the record type code is more than 10 characters.

Action - Shorten the length of the representation.

NON-NIPS/INVALID SET NR OR FILLER STATEMENT

Cause - The set number specified on the FILLER statement does not agree with the set number (record type sequence number) on the preceeding DEFINE statement.

Action - Correct the set number.

NON-NIPS/NO LENGTH SPECIFIED FOR FILLER

Cause - Self-explanatory.

Action - Specify a length for the FILLER statement.

NON-NIPS/NO RECORD TYPE CODE SPECIFIED

Cause - The preceding DEFINE statement does not contain a record type code.

Action - Include a record type code.

NON-NIPS/NO SET NR ON FILLER STATEMENT

Cause - No set sequence number was specified on the FILLER statement.

Action - Include the set sequence number as specified on the current DEFINE statement.

NON-NIPS/NO SET SEQUENCE NR SPECIFIED

Cause - The preceding DEFINE statement fails to include a one-up set sequence number.

Action - Include a set sequence number.

NON-NIPS/NUMERIC EXPECTED, NOT FOUND

Cause - The preceding statement contained a non-numeric parameter where a numeric parameter was expected.

Action - Replace with the required numeric parameter.

NON-NIPS/RECORD TYPE FIELD EXCEEDS MAX LENGTH

Cause - The length of the record type field exceeds 10 characters.

Action - Adjust the length.

NON-NIPS/RECORD TYPE FIELD SHORTER THAN CODE

Cause - The length specified for the record type field will not contain record type code specified on the current DEFINE statement.

Action - Correct the appropriate statement.

NON-NIPS/RECORD TYPE FIELD NOT DEFINED/REDEFINED FOR SET X

Cause - No record type field was defined or redefined for set X.

Action - Define or redefine the record type field for the specified set.

NON-NIPS/* XXXXXXX * REDEFINE LOCATION ERROR-SET X

Cause - The redefined record type field for set X is not in the same relative location as in the fixed set.

Action - Relocate the statement to obtain the correct location of the record type field in the set.

NON-NIPS/SET SEQUENCE NR NOT A ONE-UP NUMBER

Cause - The set sequence number specified in the preceding DEFINE statement is not one greater than the set sequence number on the previous DEFINE statement.

Action - Change the set sequence number to a one-up value.

NON-NIPS/UNKNOWN ENTRY FOUND

Cause - An unknown parameter was encountered on the preceding DEFINE statement.

Action - Delete the parameter.

NON-NIPS/VSET STATEMENT ILLEGAL, PROCESS AS A NOTE

Cause - A VSET cannot be defined for a NON-NIPS file.

Action - Delete the statement.

NON-NIPS/VSZN FIELD NOT DEFINED FOR VARIABLE FIELD

Cause - The current set contains a variable field, but no VSZn field was defined.

Action - Define a VSZn field (n = set sequence number) or change the variable field to a fixed length field.

2.3 Special Messages

CONDITION CODE ERROR.

Cause - Incorrect condition code passed to the program module FSPRINT.

Action - This error generally indicates system malf function. The run should be attempted again. If error persists, the systems maintenance programmer should be contacted.

INVALID CONTROL CODE FOR FSDIRINT.

Cause - An internal code passed to the module FSDIRINT was illegal. This indicates system malfunction.

Action - Attempt the job again. If some error occurs, consult the system maintenance programmer.

I/O ERROR WHILE BUILDING FFT.

Cause - An I/O error occurred while trying to write FFT records on the final data set. This message is followed by an abnormal end with a user code of 407.

Action - Try job again. If the second attempt doesn't work, check to see that enough space has been allocated for the FFT. The structuring of very large files may create an FFT which is too large to fit into the allocated space provided by the cataloged procedure for FS. In this case, supply an overriding SPACE parameter for the DD card NEWFILE to increase

the space allocation. If this doesn't work, consult the system maintenance programmer.

I/O ERROR WHILE READING FFT WORK.

Cause - An I/O error occurred while reading initial FFT records from the work file by the module FS2IN. The message will be followed by an abnormal end with a user code of 406.

Action - Try job again. If error still occurs, consult the system maintenance programmer.

I/O ERROR WHILE WRITING ON FFT WORK.

Cause - An attempt to write on the work file of FS was unsuccessful.

Action - This error message may appear during the construction of initial FFT records. It may indicate a hardware failure in which case the run may be resubmitted. On the other hand, it may indicate that the space allocation for the disk work area was insufficient for the definition of extremely large files. In this case the space parameter for the DD card SORTIN in the cataloged procedure must be overridden with a larger value at job set up time.

THE FIRST RECORD ON FFT WORK IS NOT A CONTROL RECORD.

Cause - This message indicates system malfunction. It is followed by an abnormal end of job with a user code of 406. This error occurs when the section FS2 of the file structure component does not recognize a control record as the first record from a work area built during the section FS1.

Action - Try job again. If error still occurs, consult the system maintenance programmer.

*** SYSTEM SORT ERROR ***

Cause - This message is printed as a result of an error occurring during the execution of the OS sort.

Action - Inspect listing for obvious errors such as insufficient sort work space and rerun job. Should error persist consult system programmer.

2.4 Abnormal End Error Messages (USER)

406

Cause - Malfunction occurred in the module FS2IN. It could mean either that no control record was found on the FFTWORK data set or an I/O error occurred while reading from it.

Action - Try job again. If error persists, see the system maintenance programmer.

407

Cause - An I/O error occurred while writing FFT records on the final FFT data set in the module FS2OUT.

Action - Try job again. If error persists, consult the system maintenance programmer.

414

Cause - The module FSFFT could not determine any elements for the current set in its internal directories.

Action - Consult system maintenance programmer.

415

Cause - The module FSFFT could not locate a label for a field or group from an internal table.

Action - Consult system maintenance programmer.

416

Cause - The module FSFFT could not locate an edit pattern associated with a field or group from an internal table.

Action - Consult system maintenance programmer.

417

Cause - The module FSFFT could not locate any fields within an internal directory.

Action - Consult system maintenance programmer.

418

Cause - The module FSFFT could not correctly verify the the record control length.

Action - Consult system maintenance programmer.

419

Cause - The module FSBLDSC could not locate any fields within an internal directory.

Action - Consult system maintenance programmer.

420

Cause - The module FSBLDSC could not correctly verify the size of a subset control group.

Action - Consult the system maintenance programmer.

421

Cause - The module FSGROUP encountered a group card before any field cards had been defined.

Action - Place the group card following the fields that it defines.

424

Cause - During the verification of the subroutine parameters by the module FSSUBB, a verification code generated by the module UTSUBRCK could not be understood.

Action - Consult the system maintenance programmer.

450

Cause - During the resolution of the GROUP statement through the internal tables of the module FSGROUP, no fields could be located.

Action - Consult system maintenance programmer.

451

Cause - Problem similar to one encountered in ABEND Code 450.

Action - Consult system maintenance programmer.

452

Cause - Problem similar to one encountered in ABEND Code 450.

Action - Consult system maintenance programmer.

ERROR CODES

453

Cause - The module FSFFT experienced difficulty in locating a field reference from an internal directory.

Action - Consult system maintenance programmer.

*****JOB TERMINATED DUE TO DIAGNOSED ERRORS - DATA SET NOT SAVED*****

Cause - This message will occur at the end of the file structuring run when the following conditions occur:

a. FS error messages were printed

b. The user supplied a file name and a disposition of either KEEP or CATLG on the NEWFILE DD card of the cataloged procedures.

Action - None.

2.5 Index Specification Messages

An error message is followed by the erroneous control card, where the error condition relates specifically to a control statement. Advisory messages cause no control card printout, except as noted. An Index Specification error at File Structure time causes an invalid File Structure run; the FFT is not saved. An Index Specification error when Index Specifier (UTNDXSPC) executes merely terminates the Index Specification function. The data file is left as it is at the time of error. Action for all errors is to correct the erroneous card and resubmit the job.

3300 INDEX Fieldname ADDED.

Advisory- The field or group "Fieldname" has been successfully specified as an index.

ERROR CODES

3301 INDEX Fieldname DELETED.

Advisory- The index "Fieldname" has been deleted.

3302 INVALID INDEX SPECIFICATION.

Error - This message precedes one of the following reason codes.

VARIABLE-LENGTH FIELD - Only fixed-length fields and groups can be specified as indexes. This condition is not applicable for a keyword indexed field.

SYSTEM-GENERATED FIELD - A field inaccessible to the user cannot be specified as an index.

CONVERSION SUBRT MODE - The mode (either input or output) is not ALPHA, BINARY, COORD, or DECIMAL; or the input mode does not match the mode of the data field as carried in the file.

CONVERSION SUBRT LEN - The length (either input or output) is not numeric (each digit must be in the range 0-9); or the input length is not the same as the length of the data field as carried in the file; or the output length exceeds the maximum index length of 30.

ANALYZER SUB SPECIFIED FOR CONVERSION - A subroutine or table defined as an analyzer subroutine on the SUB/TAB card has been specified as a conversion subroutine on an INDEX card. The INDEX card operands are order-dependent, and when two subroutines are specified, the first must define the conversion subroutine while the second refers to the analyzer. If only one subroutine is specified, its usage is determined by the attributes specified in the SUB/TAB card.

CONVERSION SUB SPECIFIED AS ANALYZER - A subroutine or table defined as a conversion routine on the

SUB/TAB card has been specified as an analyzer routine on the INDEX card.

3303 Fieldname ALREADY SPECIFIED AS AN INDEX. OPERATION IGNORED.

Advisory- The index "Fieldname" already exists. The attempt to specify it as an index again is ignored.

3304 NONEXISTENT FIELD SPECIFIED AS AN INDEX.

Error - The field specified on the INDEX card does not exist in the FET.

3305 ATTEMPTING TO DELETE A NONEXISTENT INDEX.

Advisory- Operation ignored.

3306 INVALID STATEMENT.

Error - This message precedes the invalid control card.

3307 INVALID Condition ENTRY.

Error - "Condition" indicates the entry the program was attempting to analyze and which was found to be in error.

3308 INDEX Fieldname LONGER THAN 30 BYTES.

Error - The field or group "Fieldname" exceeds the limit of 30 bytes allowed by Secondary Indexing.

3309 ONLY -INDEX- STATEMENTS ALLOWED AT THIS POINT.

Error - A SUB/TAB statement was encountered after reading an INDEX statement. All SUB/TAB statements must be before an INDEX statement in the input stream.

3310 TOO MANY SUB/TAB STATEMENTS. SPECIFICATION FUNCTION TERMINATED.

Error - No more than 50 SUB/TAB statements may be submitted in any one Index Specification run.

3311 SUB/TAB DEFINED MORE THAN ONCE.

Error - A subroutine or table may be defined for Index Specification one time only per Index Specification run.

3312 ATTEMPTING TO INDEX ON THE RECORD CONTROL FIELD. OPERATION IGNORED.

Advisory- The field specified as an index is a record control field and the same length as the record control for the data file. The assumption is, therefore, that the field is the record control. This operation is not allowed, because the data management routines ensure data record uniqueness by record control fields. An attempt to do this by Secondary Indexing is redundant. The INDEX card is printed following this message.

3321 UNCORRECTABLE I/O ERROR. KEY FOLLOWS.

Error - The condition was returned by the access method.

3322 SPACE ALLOCATED FILLED. CANNOT ADD RECORD.

Error - The data set has no more room in which to add records.

3330 AAAAAAA - KEYWORD TABLE NOT DEFINED

Cause - An INDEX KEYWORD statement has specified the name of a stop word table, dictionary or user subroutine but a SUB/TAB statement defining the table was not present

Action - Include the necessary SUB/TAB statement and rerun the job.

3331 DUPLICATE SPECIFICATION OF AAAA OPTION

Cause - An INDEX KEYWORD statement has specified more than one name defining the same function (e.g., dictionary, etc.).

Action - Check the SUB/TAB and index statements to make sure everything was defined correctly.

34XX NOTE: Refer to paragraph 3.5 (Index Maintenance Messages) for 34XX messages encountered while using the Index Specification utility.

35XX NOTE: Refer to paragraph 4.12 (Index Processing Messages) for 35XX messages.

There is one ABEND in Index Specification - Code 9. This occurs only under extremely severe error conditions. Consult the system programmer.

2.6 File Revision Control Card Edit Messages

Error messages immediately follow the printout of an erroneous control card and indicate the type of error that was encountered in the control card. If no errors are detected during editing, a confirmation message is printed.

1000 NO RIGHT PAREN AFTER LEFT PAREN.

Cause - Unbalanced parenthesis in a control statement.

Action - Correct the erroneous card and resubmit the job.

1001 NO LEFT PAREN BEFORE RIGHT PAREN.

Cause - Unbalanced parenthesis in a control statement.

Action - Correct the erroneous card and resubmit the job.

1002 TERM EXCEEDS 16 CHAR MAX.

Cause - Illegal parameter or operand in a control statement.

Action - Correct the card and resubmit the job.

1003 NO FILE NAME SPECIFIED.

Cause - The OLDFILE or FILE parameter was omitted in the control deck.

Action - Specify the file name using the OLDFILE or FILE parameter and resubmit the job.

1004 FIELD XXXXXX NOT FOUND IN OLD FFT.

Cause - Either the user punched a field name in his field change information that did not exist in the old FFT, or he has extraneous information punched in his control deck that FR interpreted as field name change information.

Action - Correct the FR input deck and resubmit the job.

2.7 File Revision Processing Error Messages

These messages are indicative of processing errors that cause the File Revision program to terminate.

2000 ERROR DURING SORT - CALLED FROM ROUTINE FRSUP.

Cause - This message will occur if System/360 OS sort returns a condition code indicating an error was encountered while performing the sort.

Action - Try job. If error persists, contact system programmer.

2001 INVALID NAME CHANGE.

Cause - This message follows an entry in the FFT comparison

list. It indicates that a field name change request could not be processed because the new field name could not be found in the new FFT.

Action - Correct the erroneous field change information and resubmit the run.

2002 ILLEGAL MODE CHANGE TO/FROM COORD.

Cause - The user attempted to change a coordinate field to a binary or decimal field or to change a binary or decimal field to a coordinate field. These changes are illogical.

Action - Correct the new FFT and restructure the new file, or correct the field change card that caused the error, and rerun the job.

2003 CORE NOT AVAILABLE.

Cause - The File Revision program could not obtain sufficient core space for one of its internal tables.

Action - Rerun the job in a larger partition or region.

2004 ILLEGAL RETURN CODE.

Cause - This is indicative of a program error.

Action - See the system programmer.

2005 I/O ERROR - 'FILE NAME'.

Cause - This message indicates that an I/O error occurred when reading or writing the indicated file.

Action - Resubmit the job. If error persists, see system programmer.

2006 FIELD CHANGE CAUSES SET MERGE.

Cause - FR detected that changes in field set numbers cause data from two sets to be moved to one set. FR cannot logically revise the file. This situation could result from the structure of the new FFT, or from field name change requests.

Action - Correct the situation and resubmit the job. If the user can logically connect the sets, he should run FR in the NO-GO mode, punch the generated statements and adjust them, as required, to perform the desired revision.

2007 TWO OLD FIELDS MOVED TO ONE FIELD.

Cause - The user has specified a field name change, with a new name that exists in both files.

Action - Correct either the new FFT or the field name change information, and resubmit the job.

2008 NO MAJOR CTL FLD RETAINED.

Cause - The user has deleted all major control fields. This may happen if control fields are renamed in new FFT and field name change cards have not been provided.

Action - Correct FR input deck or new FFT and resubmit the job.

2009 ILLEGAL MERGE-FIXED TO PER SET.

Cause - FR detected that a change in a field set number would cause data from the fixed set to be moved to a periodic set. FR cannot logically revise the file.

Action - Correct the situation and resubmit the job.

2010 FR ENDED DUE TO FM LS COMPILE ERRORS.

Cause - FR detected that FM encountered one or more compila-

tion errors during library actions being performed on FR generated logic statements.

Action - Consult system programmer.

2011 NO LOGIC STATEMENTS TO BE COMPILED

Cause - FR did not generate any logic statements to be passed to FM.

Action - Consult system programmer.

2.8 File Revision Advisory Messages

****RUN CANCELLED BECAUSE OF FIELD CHANGE ERRORS****

Cause - This advisory message is printed just prior to termination. Specific field change errors are identified by individual messages.

Action - Correct errors noted by each message and resubmit the job.

****NO ERRORS DETECTED IN INPUT CARDS****

Cause - Message confirms corrections of control deck.

Action - No action required.

****NO GO OPTIONS SPECIFIED-FR RUN TERMINATED****

Cause - Self-explanatory.

Action - No action required.

Section 3

FILE MAINTENANCE

ERROR CODES

A numerical listing of all error codes and messages output from the File Maintenance (FM) program is contained in this section. Each error message is followed by the cause of the error and the appropriate action to be taken to correct the error condition. If the file being maintained is indexed, the error codes listed in 3.5, Index Maintenance Errors, are applicable.

3.1 FM Edit and Library Action Errors

10000 ABNORMAL TERMINATION OF RUN DUE TO MISSING OR INVALID CONTROL CARD.

Cause - Either the FMS control card contained errors, or the control card was not the first card in the input stream.

Action - Correct, or include, the card as the first card in the input stream and rerun the job.

10001 THE STATEMENT CONTAINS AN ILLEGAL FILE NAME.

Cause - The name of the file does not conform to system standards for data file name. Names must contain from one to seven characters with no special characters; the first character must be alphabetic.

Action - Correct the name to conform to system standards and rerun the job.

ERROR CODES

10003 THE STATEMENT CONTAINS AN INVALID NUMBER OF TRANSACTION ID FIELDS.

Cause - On the add report card, a maximum of three ID fields may be specified with a maximum aggregate length of six characters. The statement violated these rules.

Action - Correct the card to conform to the above specifications and rerun the job.

10004 THIS STATEMENT SPECIFIED TRANSACTION ID FIELDS WITH A TOTAL LENGTH OF MORE THAN SIX CHARACTERS.

Cause - On the add report card, a maximum of three ID fields may be specified with a maximum aggregate length of six characters. The statement violated these rules.

Action - Correct the card to conform to the above specifications and rerun the job.

10005 THIS STATEMENT SPECIFIED A REPORT ID FIELD WITH THE H.O. GREATER THAN L.O.

Cause - The low-order position must be specified as numerically greater than, or equal to the high-order position.

Action - Correct the high-order and low-order parameters and rerun the job.

10006 THE H.O. POSITION OF THE VAR. TRANS. DATA LESS THAN THE LENGTH OF FIXED.

Cause - The variable transaction position, as specified on this statement, is within the fixed transaction data. The variable transaction position must be outside the range of the fixed transaction data.

Action - Correct the card so that the fields do not overlap and rerun the job.

10008 THE REPORT NAME ON THIS STATEMENT IS AN INVALID NAME.

Cause - The name of the report does not conform to system standards for report names. Names must contain from one to seven characters with no special characters; the first character must be alphabetic.

Action - Correct the name to conform to system standards and rerun the job.

10009 THE CONTROL CARD CONTAINS ONE OR MORE INVALID FIELDS.

Cause - An error was detected in one of the following control cards: FMS Control Card, Library Action Card, or TDD Card.

Action - Correct the card and rerun the job.

10010 INVALID XNP ENTRY ON THE ADD STATEMENT CARD.

Cause - The last field of an add statement card ($AST or $ASP) must be "XNP" or blank.

Action - Correct the field and rerun the job.

10011 STATEMENT NAME EXCEEDS SIX CHARACTERS.

Cause - On the add statement card, the logic statement name exceeds six characters.

Action - Correct the name and rerun the job.

10012 THE H.O. OF THE TRANSACTION DESCRIPTOR FIELD IS GREATER THAN THE L.O.

Cause - The low-order position must be specified as numerically greater than, or equal to the high-order position.

Action - Correct the high-order and low-order parameters and rerun the job.

10013 THE CONTROL CARDS ARE OUT OF SEQUENCE.

Cause - a. Missing Language Identifier
b. Erroneous END or STOP card
c. No library action cards included in run deck.
d Any misplaced control card. These control cards include ADD REPORT, DELETE REPORT, ADD STATEMENT, or DELETE STATEMENT cards.

Action - Review entire deck since an out-of-sequence control card might not be picked up until later on in the processing of the deck. Arrange cards in correct sequence and rerun the job.

10014 THIS STATEMENT CONTAINS CONFLICTING PARAMETERS.

Cause - On the add report card, a maximum of three ID fields may be specified with a maximum aggregate length of six characters. The statement violated these rules.

Action - Correct the card to conform to the above specifications and rerun the job.

10015 THE FIELD NAME ON THIS STATEMENT IS INVALID.

DATA FILE FIELD NAMES -

Cause - The name of the field does not conform to system standards for data file field names. Names must contain from one to seven characters, with no special characters; the first character must be alphabetic.

TRANSACTION DESCRIPTOR -

Cause - The name of the transaction field does not conform to system standards. Names must contain from one to seven characters, with no special characters; the first character must

be alphabetic. The name must be preceded by a $ and the $ must be in card column 1.

Action - Correct the name to conform to system standards and rerun the job.

10016 THIS STATEMENT CONTAINS AN INVALID POOL INSTRUCTION TAG.

Cause - The POOL instruction name does not conform to system standards for POOL instruction symbols. Names must contain from one to seven characters with no special characters; the first character must be alphabetic.

Action - Correct the name to conform to system standards and rerun the job.

10017 THERE IS AN ERROR IN THE CONTROL SEQUENCE FIELD ON THE TD CARD.

Cause - In a TD card specifying a major control field, a subset control was also specified.

Action - Check card to determine correct method of specifying major and secondary control fields. Correct and rerun job.

11000 INVALID CONTINUATION SPECIFICATION ON SEGMENT CONTROL CARD.

Cause - Self-explanatory.

Action - Review continuation card rules, correct card and rerun the job.

11001 MISSING OR UNIDENTIFIABLE PARAMETER.

Cause - Self-explanatory.

Action - Review control card specifications. Correct card and rerun the job.

ERROR CODES

11002 PARAMETER SPECIFIED AS LOW KEY VALUE EXCEEDS HIGH KEY VALUE PARAMETER.

Cause - Self-explanatory.

Action - Correct the card and rerun the job.

11003 INVALID VOLUME SERIAL NUMBER SPECIFIED IN PARAMETER LIST.

Cause - Volume serial numbers are one to six characters long. This number does not conform to these standards.

Action - Correct the card and rerun the job.

11004 EXCESSIVE NUMBER OF PARAMETERS SPECIFIED IN PARAMETER LIST.

Cause - Self-explanatory.

Action - Correct the card and rerun the job.

11005 CONFLICTING SEGMENT PROCESSING PARAMETERS WERE SPECIFIED FOR THIS RUN; RUN TERMINATED.

Cause - Self-explanatory.

Action - Review parameter specified on segment control cards, make necessary correction and rerun the job.

11006 NO SEGMENT CONTROL CARD WAS INCLUDED IN THIS SEGMENT GENERATION RUN, RUN TERMINATED.

Cause - Self-explanatory.

Action - Include $SEG control card to define segment boundary. Rerun the job.

11007 DUPLICATE SEGMENT RECORD AS SPECIFIED BY THE $ADD OR $SEG CONTROL CARD. RUN TERMINATED.

ERROR CODES

Cause - A segment record already exists with the same key as on segment control card.

Action - Omit the card. Rerun the job.

11008 SEGMENT RECORD TO BE DELETED/REPLACED DOES NOT EXIST, NO ACTION TAKEN.

Cause - Self-explanatory.

Action - None.

20001 THE TRANSACTION FIELD LOCATION EXCEEDS THE TOTAL TRANSACTION LENGTH.

Cause - The transaction high-order position is greater than the length of the transaction as specified on the ADD statement card.

Action - Correct the ADD statement card or the TD card to make them compatible and rerun the job.

20002 VARIABLE FIELD POSITION ON TD CARD DIFFERS FROM POSITION ON ADD STATEMENT CARD.

Cause - Self-explanatory.

Action - Correct the cards, so that the cards specify the same position, and rerun the job.

20003 THE VARIABLE TRANSACTION FIELD CANNOT BE USED AS A CONTROL FIELD.

Cause - The field is illegal as a control field.

Action - Remove control indicators from the card and rerun the job.

20004 THE NAMED SUBSET FIELD IS NOT A SUBSET CONTROL FIELD.

Cause - The field is illegal as a control field.

Action - Remove control indicators from the card and rerun the job.

20006 THE TRANSACTION FIELD AND THE SUBSET FIELD ARE DIFFERENT LENGTHS.

Cause - The transaction field must be the same size as the subset field in the direct subset update mode.

Action - Change the length, so that they are the same, and rerun the job.

20007 SUBSET CONTROL FIELDS SPECIFIED ARE FOR TWO DIFFERENT SETS.

Cause - Subset control fields must be from the same set.

Action - Correct the control field references and rerun the job.

20008 DUPLICATE INSTRUCTION SYMBOLS.

Cause - All instruction symbols must be unique within each logic statement. This symbol has been previously defined.

Action - Make each symbol unique and rerun the job.

20009 MORE THAN 500 INSTRUCTION SYMBOLS WERE USED.

Cause - The maximum has been exceeded.

Action - Reduce the number of instruction symbols used or use two or more logic statements.

20010 THIS STATEMENT CONTAINS A DUPLICATE LOGIC STATEMENT NAME.

Cause - Statement names must be unique within each report type and each report type must be unique for a file. This statement violates this rule.

Action - Change references to unique names and rerun the job.

20011 THE NUMBER OF LOGIC STATEMENTS BEING COMPILED EXCEEDS MAXIMUM 24.

Cause - The maximum has been exceeded.

Action - Reduce the number of logic statements being compiled in one run by using two or more runs to compile logic statements.

20012 INSUFFICIENT TRANSACTION CONTROL INFORMATION WAS SPECIFIED.

Cause - Fields defining the transaction control group must total the same length as the data record control group.

Action - Change the control fields on the TD cards to the length of data record control group and rerun the job.

20013 THE TOTAL TRANSACTION CONTROL FIELD LENGTH EXCEEDS MAXIMUM FOR FILE.

Cause - Fields defining the transaction control group must total the same length as the data record control group. Additional fields may be specified, but field splitting is not permitted.

Action - Change the control fields on the TD cards to the length of data record control group and rerun the job.

20014 INSUFFICIENT TRANSACTION SUBSET CONTROL INFORMATION WAS SPECIFIED.

Cause - Fields defining the subset control information must total the same length as the data record subset control information.

Action - Change the control fields on the TD cards to the length of data record subset control field(s) and rerun the job.

20015 A REPORT/STATEMENT WITH THE SAME NAME ALREADY EXISTS ON THE LIBRARY.

Cause - Logic statement names must be unique within each report and each report name must be unique for a file. This statement violates this rule.

Action - Change references to unique names and rerun the job.

20016 REPORT/STATEMENT TO BE DELETED NOT FOUND ON LIBRARY.

Cause - The report or statement name was not on the library.

Action - Remove the card from the run deck.

20017 THIS REPORT NAME NOT FOUND ON LIBRARY.

Cause - The report or statement name was not on the library.

Action - If the action was DELETE, remove the card from the run deck. Otherwise, include an ADD report card to add the report name to the library and rerun the job.

20018 SUBSET CONTROL FIELD NAME NOT FOUND IN FFT.

Cause - The field name was not found in the FFT.

Action - Check the FFT for the name of the field. If the name is in FFT, see the system programmer.

20019 DUPLICATE CONTROL FIELD SEQUENCE NUMBERS.

Cause - All control field sequence numbers must be unique within a logic statement.

Action - Correct sequence and rerun the job.

20020 THE MAJOR TRANSACTION CONTROL FIELDS EXCEED LENGTH OF MAJOR CONTROL GROUP.

Cause - Fields defining the transaction control group must total the same length as the data record control group. Additional fields may be specified, but field splitting is not permitted.

Action - Change the control fields on the TD cards to the length of data record control group and rerun the job.

20021 POOL OPERATOR ILLEGAL IN SUBSET EXCEPTION LOGIC STATEMENT.

Cause - Operator is illegal with subset exception logic statement.

Action - Remove the instruction containing the operator from the run deck and rerun the job.

20022 THIS STATEMENT HAS A MISSING OR INVALID FIELD PARAMETER.

Cause - The first parameter is not 'FIELD'.

Action - Correct the card and rerun the job.

20023 THIS STATEMENT CONTAINS AN INVALID ERROR OPTION.

Cause - The error option code is not D, T, B, or *.

Action - Correct the card and rerun the job.

20024 THIS STATEMENT HAS A MISSING OR INVALID PARAMETER FOR THE KEYWORD.

Cause - Self-explanatory.

Action - Review the valid parameters for the keyword. Correct errors and rerun the job.

20025 THIS STATEMENT CONTAINS A KEYWORD USED ILLEGALLY WITH A VARIABLE FIELD.

Cause - Only the GEN keyword is valid with a variable field.

Action - Remove erroneous keyword from card and resubmit the job.

20026 LENGTH OF EDIT PARAMETER GREATER THAN TRANSACTION FIELD LENGTH.

Cause - One of the parameters for the keyword has a length greater than the length of the transaction field.

Action - Modify the parameter and rerun the job.

20027 THIS STATEMENT CONTAINS A TRANSACTION FIELD NAME NOT FOUND IN THE FPT.

Cause - Either the GEN or blank ERR option has been used on a TD statement whose name is not an FPT name.

Action - Determine the options desired. Correct the card and rerun the job.

20028 THIS STATEMENT CONTAINS CONFLICTING MODES BETWEEN TRANSACTION AND DATA FIELDS.

Cause - Self-explanatory.

Action - Modify the modes and rerun the job.

20029 GEN OR BLANK ERR OPTION USED. SET CONTAINS USER CONTROL FIELDS.

Cause - The subset contains a subset control field, but the statement is not a direct subset update.

Action - Specify subset control fields through the control keyword and rerun the job.

20030 RANGE PARAMETER FOR NUMERIC FIELD CONTAINS NONNUMERIC DATA.

Cause - Self-explanatory.

Action - Correct the parameter and rerun the job.

20031 RANGE PARAMETER FOR NUMERIC FIELD TOO LONG.

Cause - Length of the parameter exceeds 11 characters.

Action - Correct the parameter and rerun the job.

20032 BLANK ERROR OPTION USED ON CONTROL FIELD.

Cause - Self-explanatory.

Action - Change the error option and rerun the job.

20033 THE LENGTH OF THE TRANSACTION FIELD IS TOO SHORT FOR THE RESULT OF THE CONVEPSION.

Cause - Self-explanatory.

Action - Correct the card and rerun the job.

2003o INPUT/OUTPUT ERROR OCCURRED ON DD NAME.

Cause - An input or output error has been detected during Ordinary Maintenance processing. This problem may have been caused by one of the following user errors:

a. The ERR keyword was specified without a valid code identifier (D, B, *, or T).

b. An invalid operand was specified for the VALUE keyword.

Action - The error message will be printed as either INPUT or OUTPUT and will identify the DD name

on which the error occurred. The run will be terminated with an ABEND dump (see User Code 4095). The dump should be given to the system programmer for diagnosis.

20044 THE SMR OPERATOR CAN ONLY BE USED IN RANGE STATEMENTS

Cause - An SMR instruction was detected in a nonrange logic statement.

Action - Correct the logic statement and rerun the job.

20060 INPUT/OUTPUT ERROR READING A WORK FILE

Cause - This message indicates that an I/O error occurred when reading a work file.

Action - Rerun job. If error persists, see systems programmer.

20061 INPUT/OUTPUT ERROR READING A WORK FILE SEE ERROR CODE 20060

20062 INPUT/OUTPUT ERROR READING A WORK FILE. SEE ERROR CODE 20060.

20063 INPUT/OUTPUT ERROR READING WORK FILE. SEE ERROR CODE 20060.

20064 INPUT/OUTPUT ERROR READING WORK FILE. SEE ERROR CODE 20060.

20065 INPUT/OUTPUT ERROR READING WORK FILE. SEE ERROR CODE 20060.

20066 INPUT/OUTPUT ERROR READING WORK FILE. SEE ERROR CODE 20060.

20067 INPUT/OUTPUT ERROR READING WORK FILE. SEE ERROR CODE 20060.

21000 THIS STATEMENT CONTAINS A DUPLICATE TDD FIELD NAME.

Cause - All transaction fields which are referred to within a logic statement must have a unique name within the logic statement; this card violates this rule.

Action - Correct the card and rerun the job.

21002 THE DESCRIPTIVE INFORMATION ON THE TDD CARD IS NOT NUMERIC.

Cause - A numeric field on the TDD card contains non-numeric data.

Action - Correct the card and rerun job.

21004 THIS STATEMENT CONTAINS AN ILLEGAL OPERAND.

Cause - The operand is illegal for use with the operator or statement.

Action - Check operator for valid operands. Check that operands are punched beginning in proper card column. Correct the instruction and rerun the job.

21006 THE OPERAND TYPE ON THIS STATEMENT IS ILLEGAL FOR THIS OPERATOR.

Cause - The operand is illegal for use with the operator or statement.

Action - Check operator for valid operands. Correct the instruction and rerun the job.

21008 THIS STATEMENT CONTAINS AN ILLEGAL POOL STATEMENT.

Cause - The operator is not a valid POOL operator.

Action - Check POOL instructions for correct operators. Check that operators are punched in proper card columns. Correct and rerun the job.

21010 THE FIELD NAME ON THIS STATEMENT WAS NOT FOUND IN THE FFT.

Cause - Self-explanatory.

Action - Check the FFT for the name of the field. If name is in FFT, see the system programmer.

21011 FIELD NAME NOT IN FFT.

Cause - The field name was not found in the FFT.

Action - Check the FFT for the name of the field. If name is in FFT, see the system programmer.

21012 AN ILLEGAL ATTEMPT TO ACCESS A SYSTEM FIELD WAS SPECIFIED ON THIS STATEMENT.

Cause - An illegal reference to a system generated field.

Action - Remove the reference to the field and rerun the job.

21014 SYSTEM ERROR. THE FFT DOES NOT CONTAIN A VALID CHARACTER DESCRIPTOR.

Cause - Self-explanatory.

Action - See the system programmer.

21016 THE DATA FILE FIELD NAME ON THIS STATEMENT EXCEEDS SEVEN CHARACTERS.

Cause - The name of the statement does not conform to system standards for data file field names. Names must contain from one to seven characters, with no special characters; the first character must be alphabetic.

Action - Correct the name to conform to system standards and rerun the job.

21018 THE MODE OF THIS OPERAND IS INCOMPATIBLE WITH THIS STATEMENT.

Cause - The operand is illegal for use with the operator or statement.

Action - Check operator for valid operands. Correct the instruction and rerun the job.

21020 THE TYPE OF FIELD ON THIS STATEMENT IS INVALID.

Cause - The operand is illegal for use with the operator or statement.

Action - Check operator for valid operands. Correct the instruction and rerun the job.

21022 THE TRANSACTION FIELD NAME ON THIS STATEMENT WAS NOT DEFINED ON TDD CARDS.

Cause - Self-explanatory.

Action - Correct the statement if the name was incorrect. Otherwise, define the name.

21024 THE TRANSACTION FIELD HAS AN ILLEGAL MODE FOR THIS OPERATOR.

Cause - The operand is illegal for use with the operator.

Action - Check operator for valid operands. Correct the instruction and rerun the job.

21026 THE VALIDITY CODE SPECIFIED ON THIS STATEMENT IS INVALID.

Cause - The validity code is not correct.

Action - Check the instruction for correct validity codes. Correct and rerun the job.

21028 THIS STATEMENT CONTAINS A NONNUMERIC LITERAL.

Cause - The literal is invalid with the operator.

Action - Check the literal, correct, and rerun the job.

21030 THE ALPHA LITERAL USED ON THIS STATEMENT IS ILLEGAL FOR THIS OPERATOR.

Cause - The literal is invalid with the operator.

Action - Check the literal, correct, and rerun the job.

21032 AN INVALID DESIGNATION HAS BEEN SPECIFIED ON A DIRECTLY-ADDRESSED FIELD.

Cause - The B field in the instruction is not valid as a designation of the A field.

Action - Check the B field for validity with the operator and the A field. Correct and rerun the job.

21034 AN INVALID LENGTH HAS BEEN SPECIFIED ON A DIRECTLY-ADDRESSED FIELD.

Cause - Length of the field is invalid.

Action - Check the instruction. Correct the length and rerun the job.

21036 AN INVALID LENGTH HAS BEEN SPECIFIED ON A BINARY WORK AREA.

Cause - The length of binary work areas must be specified in multiples of four. This statement violates this rule.

Action - Change the length of the binary work area to a multiple of four and rerun the job.

21038 THE LABEL OPERAND ON THIS STATEMENT IS UNDEFINED.

Cause - The operand on the statement refers to an instruction symbol which is undefined.

Action - Include the instruction symbol on the instruction and rerun the job.

21040 SYSTEM ERROR WHILE READING THE FET.

Cause - Self-explanatory.

Action - See the system programmer.

30001 NO TRANSACTION REPORT NAME WAS SPECIFIED FOR THE RUN. RUN TERMINATED.

Cause - Self-explanatory.

Action - Include the name of the first report type on the FMS control card and make certain succeeding transaction report types are preceded by a new report card. Rerun the job.

30002 TRANSACTION REPORT - XXXXXXX - NOT FOUND IN LIBRARY. RUN TERMINATED.

Cause - Self-explanatory.

Action - Include an ADD report card to add the report name to the library and rerun the job.

30003 REPORT - XXXXXXX - STATEMENT - XXXXXX N NOT FOUND IN LIBRARY.
TRANSACTION RECORD FOLLOWS ****

Cause - The statement name on the transaction record has not been added to the library.

Action - Check transaction record for error in statement name field. If an error is found, correct it. If record is correct, compile and add logic statement to library and rerun the job. This message is printed only for the first error transaction. Check other transactions for the same error.

ERROR CODES

30004 INVALID FIELD NAME - XXXXXX - IN TRANSACTION FIELD. REPORT ID - XXXXXXX - STATEMENT ID - XXXXX - TRANSACTION RECORD FOLLOWS ****

Cause - The indirectly-addressed data field in the transaction record is invalid.

Action - Correct the transaction record and resubmit the corrected transaction.

30005 ADVISORY MESSAGE - NO LIBRARY UPDATES WILL BE PERFORMED WHEN COM or LIB MODE IS USED WHEN PROCESSING SEQUENTIAL FILES***

Cause - Advisory message to caution user when executing COM or LIB modes during sequential file processing.

Action - Library actions for sequential files must be made with a GEN (generate) or UPD (update) FM run.

30006 FOLLOWING BLOCKS OF TRANSACTIONS CAUSED I/O ERRORS. DATA READ INTO CORE WILL BE PRINTED.

Cause - This is a header message for transaction input errors. See ABEND code 102.

Action - See cause above.

30007 ERROR READING ISAM TRANSACTIONS OR SAM FFT RECORDS.

Cause - See ABEND code 102.

Action - See ABEND code 102.

30008 RUN TERMINATED BY I/O ERROR WHILE READING TRANSACTION.

Cause - See ABEND code 102.

Action - See ABEND code 102.

30009 RUN TERMINATED. TRANSACTION I/O ERRORS EXCEEDED LIMIT OF 100 OCCURRENCES OR 1,000 LINES PRINTED.

Cause - See ABEND code 102.

Action - See ABEND code 102.

30010 ABNORMAL RETURN FROM LINK-EDIT; ATTEMPT TO CONTINUE WILL BE MADE.

Cause - In attempting to perform a library action with user logic statement an error return code was passed to FM from the OS Link-Edit.

Action - Run will continue, and a specific error message will be returned from FM when logic statement is encountered during processing. The specific FM user ABEND code will pinpoint exact error.

30011 INSUFFICIENT SORT WORK SPACE REQUESTED.

Cause - The space allocated in the sort work DD statement is insufficient.

Action - Increase space and resubmit job.

30012 DDNAME- -ENCOUNTERED IN NEW REPORT RECORD ON TAPE/DISK TRANSACTION SOURCE. NEW REPORT RECORD IGNORED.

Cause - A NEW REPORT card containing the optional DD Name parameter was encountered on a tape or disk transaction source.

Action - Record is ignored. NEW REPORT control records must be entered through SYSIN when utilizing the optional DD Name parameter to designate multiple transaction sources.

ERROR CODES

30013 DDNAME- -NOT SUPPORTED BY USER-SUPPLIED JCL STATEMENT. NEW REPORT RECORD IGNORED.

Cause - A NEW REPORT card was encountered containing the optional specification of a new transaction source DD name which was not supported by user-supplied JCL.

Action - NEW REPORT card ignored. Run continues. Rerun FM after correctly supplying required JCL DD statement. Input to FM need be only the transaction source which was ignored as a result of the error.

30014 DDNAME- -NOT IN FORM - ISTRANxx or PSTRANxx. NEW REPORT RECORD IGNORED.

Cause - A NEW REPORT card was encountered containing the optional specification of a new transaction source DD name. However, the DD name supplied did not conform to required format of PSTRANxx for sequential organization or ISTRANxx for indexed sequential organization.

Action - NEW REPORT card ignored. Run continues. Rerun FM after correcting DD Name to conform to standards. Input to FM need be only the transaction source which was ignored as a result of the error.

30016 STATEMENT XXXXXX FOR REPORT XXXXXXX IS INCOMPLETE ON THE DATA FILE.

Cause - Probable machine malfunctions during run which added the logic statement to the file.

Action - Delete logic statement and recompile.

31000 UPDATE RECORD ID NOT WITHIN SEGMENT BOUNDARY. UPDATE RECORD ID FOLLOWS ***.

Cause - Self-explanatory.

Action - The update record-transaction is skipped. Check for errors and determine action to be performed.

31001 LIMIT IGNORED - NO CORE FOR WORK AREA.

Cause - Self-explanatory.

Action - Re-run job with increased region size.

31002 INVALID PARTIAL FIELD NOTATION.

Cause - Self-explanatory.

Action - Check rules for specifying partial field notation.

31003 INVALID OPERATOR

Cause - Invalid relational operator specified.

Action - Check list of valid relational operators.

31004 CANNOT FIND 2 VALUES FOR -BT-.

Cause - Two values were not specified on LIMIT control card.

Action - Specify 2 values on control card; i.e. A/B.

31005 VALUE LENGTH 0 OR TOO LONG.

Cause - Literal on control card not equal in length to field or group.

Action - Make sure literal and field or group to be compared are equal in length.

31006 FIELD IS NOT HIGH ORDER POSITION OF MAJOR CONTROL.

Cause - Self-explanatory.

Action - Make field, group, or the partial field HOP of major control.

3.2 FM Proper Error Messages

The following error codes are printed without a message during FM Proper. Depending on the error condition, information about the status of the run is printed. The items printed are the transaction record, statement and report names, data record ID, update record ID, subroutine name, and the record that caused an I/O error. The error codes are listed below with a description of the error cause and the appropriate corrective actions to be taken.

50102 PROCESSING ATTEMPTED ON INACTIVE SUBSET.

Cause - Logic statement attempted to perform actions on a subset prior to activation.

Action - Activate the subset through use of the POOL instructions 'POS, 'POV', or BSS, before processing fields in the subset.

50104 PROCESSING BLOCK FULL ON A MOVE TO A VARIABLE SET.

Cause - Self-explanatory.

Action - Check to ensure there is no loop in the logic statement. If there is no loop, see the system programmer.

50105 PROCESSING ATTEMPTED ON INACTIVE SUBSET. INDIRECT ADDRESSING.

Cause - Logic statement attempted to perform actions on a subset prior to activation.

Action - Activate the subset through use of the POOL instructions 'POS', 'POV', or 'BSS' before processing fields in the subset.

50106 MOVE TO VARIABLE FIELD WILL MAKE THE RECORD TOO LONG.

Cause - The variable field has been increased to such a size that the record cannot contain the characters to be added.

Action - If possible, reduce the amount of variable data in the transaction and resubmit the transaction.

50500 MODE ERROR IN INDIRECTLY-ADDRESSED FIELD FOR MOVE INSTRUCTION.

Cause - Indirectly-addressed fields are resolved at execution time and a mode error has been detected.

Action - Check the operation involving the field. Correct and resubmit the transaction.

50501 CONVERSION ERROR IN MOVING DATA TO A COORDINATE FIELD USING INDIRECT ADDRESSING.

Cause - The data in the indirectly-addressed field does not conform to FFS standard internal or external coordinate data format.

Action - Correct logic statement if in error or correct the (transaction) data field content.

50503 DECIMAL NUMBER TO BE CONVERTED TO BINARY IS OUTSIDE THE RANGE +2,147,483,647.

Cause - A conversion to binary operation resulted in a fixed-point divide exception because the binary number could not be contained in one register (31 bits plus sign).

Action - Transaction data being moved to numeric (binary) fields and binary work areas must be constrained to the range +2,147,483,647. Since all arithmetic operations performed within the logic statement utilize fixed point arithmetic, results of computations must also be within this range of values. Where computations can be deferred to OP(i.e.,

performed within the RI), results may be up to 15 decimal digits since decimal arithmetic is used.

50505 CONVERSION OF DECIMAL FIELD WITH INCORRECT SIGN BITS.

Cause - A conversion to binary operation detected a decimal field with incorrect sign bits (probably a blank in the rightmost position of the numeric transaction field).

Action - Check the transaction record to determine the invalid field. If transaction record is not displayed, see system programmer.

50606 PROCESSING BLOCK FULL ON POSITIONING OF SUBSET.

Cause - Self-explanatory.

Action - Check to ensure there is no loop in the logic statement. If there is no loop, see the system programmer.

50507 DUPLICATE RECORD ID CAUSED BY MCT OR MCW.

Cause - Self-explanatory.

Action - The duplicate record has not been added to the file. Correct the transaction and rerun.

50700 PROCESSING BLOCK FULL ON BUILD SUBSET.

Cause - Self-explanatory.

Action - Check to ensure there is no loop in the logic statement. If there is no loop, see the system programmer.

50702 KEYWORD FIELD NNN PROCESSING BLOCK FULL WHERE NNN IS THE FIELD ID - SET NUMBER AND HOP.

Cause - Insufficient core in input processing block to build old value word list; value not processed.

Action - See the system programmer; use UTNDXSPC to delete and add the field index for proper index data set maintenance.

50800 MODE ERROR IN INDIRECTLY-ADDRESSED FIELD.

Cause - Indirectly-addressed fields are resolved at execution time and a mode error has been detected.

Action - Check the operation involving the field. Correct and resubmit the transaction.

50900 EXCESSIVE BRANCHES TO A LABEL.

Cause - The label has been branched to by an instruction more than 999 times. Processing of this transaction is halted.

Action - Check to ensure there is no loop in the logic statement. If there is no loop, override the instruction counter on the library action card.

51001 FIXED SET DOES NOT EXIST FOR DIRECT SUBSET UPDATE.

Cause - The fixed set had not been created.

Action - Create the fixed set before attempting direct subset updating on the record.

51005 TOO MANY RANGE TRANSACTIONS; RUN TERMINATED.

Cause - More than 75 range transactions were processed.

Action - Break the run into two or more FM runs.

ERROR CODES

51006 DUPLICATE SUBSET GENERATED BY MCS.

Cause - The user attempted to change the control field of an existing subset such that it would become a duplicate.

Action - The existing subset control field is left unchanged. Any other fields in that subset which were changed will remain changed. The subset whose control fields matched the duplicate is unchanged. Correct the transaction and resubmit the job.

51008 DUPLICATE SUBSET GENERATED BY MCS

Cause - The user attempted to change the control field of a new subset such that it would become a duplicate.

Action - The new subset is deleted. The subset whose control field matched the duplicate is unchanged. Correct the transaction and resumit the job.

51501 KEYWORD FIELD NNN MEMBER NOT IN LIBRARY - X WHERE NNN IS THE FIELD ID AND X IS A MEMBER ID:

1 - Scan Subroutine
2 - Stop Word Table
3 - Dictionary

Cause - Self-explanatcry.

Action - See the system programmer; use UTNDXSPC to delete and add the field index for proper index data maintenance.

51503 KEYWORD FIELD NNN MEMBER LOAD FAILURE - X WHERE NNN IS THE FIELD ID AND X IS A MEMBER ID:

1 - Scan Subroutine
2 - Stop Word Table
3 - Dictionary

Cause - Self-explanatory.

Action - See the system programmer; use UTNDXSPC to delete and add the field index for proper index data set maintenance.

51505 INSUFFICIENT CORE FOR SUBROUTINE.

Cause - Self-explanatory.

Action - See the system programmer.

51506 ATTEMPT TO CONVERT INVALID COORD DATA.

Cause - Invalid coordinate data was supplied to a compare instruction.

Action - Make sure data, mode of data, and address of data is correct. If error persists, see systems programmer.

51507 SUBROUTINE NOT FOUND IN LIBRARY.

Cause - Self-explanatory.

Action - Add subroutine to library and resubmit the affected transactions.

51509 INVALID SUBROUTINE OUTPUT FOR 'TBL' 'VAL', AND 'GEN' INSTRUCTIONS. LOG WAS SPECIFIED.

Cause - Self-explanatory.

Action - Since the instruction specified the logging action, no action is needed.

51511 ATTEMPT TO CONVERT INVALID COORD DATA.

Cause - Invalid coordinate data was supplied to conversion routine.

Action - Make sure data and address of data is correct. If both are correct, see the system programmer.

51521 DDNAME SPECIFIED IN AFR NOT FOUND IN JCL.

Cause - The DD name parameter in the AFR instruction did not match any DD name in the user-supplied JCL.

Action - Make sure that the DD name parameter is correctly specified or that a DD card is included in the run with the specified DD name. Run continues.

51523 INVALID FIELD TYPE.

Cause - The field name specified in the AFR instruction is in the auxiliary file's FFT, but it is not a valid field type (i.e., not in fixed set).

Action - Use only field or group name which is of a type acceptable to AFR. Run continues.

51525 FIELD NOT IN FFT.

Cause - The field name specified in the AFR instruction does not exist in the auxiliary file's FFT.

Action - Make sure the field name parameter contains valid data and that the proper auxiliary file is being referenced for the field name being used. Run continues.

ERROR CODES

51527 DATA RECORD NOT IN FILE.

Cause - The data record with the major record identification specified in the APP instruction does not exist in the auxiliary file.

Action - Make sure the major record identification parameter contains valid data and the proper auxiliary file is being referenced. Run continues.

52001 UNCORRECTABLE I/O ERROR DURING FILE GENERATION.

Cause - An uncorrectable I/O error was encountered when writing new ISAM file.

Action - Error will terminate the run. Increase PRIME space allocation for file and rerun the job.

52003 SEQUENCE CHECK OR DUPLICATE RECORD ENCOUNTERED DURING FILE GENERATION.

Cause - An out-of-sequence subset has been built or a duplicate record has resulted from a major control field change.

Action - Change POOL logic to provide appropriate data value checking to preclude generation of duplicate records or out-of-sequence subset.

52007 READ ERROR ON ISAM DATA FILE.

Cause - A read errror was encountered when reading an ISAM data file.

Action - Error will terminate the run. Restore file from backup and rerun the job.

52009 WRITE ERROR ON ISAM DATA FILE.

Cause - An error was encountered when writing on an ISAM data file.

Action - Error will terminate the run. Rerun the job. If error persists, see the system programmer.

52010 UNCORRECTABLE I/O ERROR - NO SPACE ON ISAM OVERFLOW AREA.

Cause - An uncorrectable I/O error was encountered during the run due to lack of space on the OVERFLOW area.

Action - Error will terminate the run. File status is unpredictable. Rerun the job using a backup file, if possible. Otherwise reorganize the file and rerun the job.

52012 DUPLICATE RECORD ON DATA FILE.

Cause - Self-explanatory.

Action - Delete the offending transaction and rerun job.

52013 WRITE ERROR ON SAM DATA FILE.

Cause - A write error was encountered when writing on SAM data file.

Action - Change volume and rerun the job.

52015 READ ERROR ON SAM DATA FILE.

Cause - A read error was encountered when reading a SAM data file.

Action - Rerun the job. If error persists, rerun the job with back-up SAM data file.

52016 NEW RECORD ID CREATED BY MCT/MCW IS NOT WITHIN SEGMENT BOUNDARY.

Cause - Self-explanatory.

Action - Review the problem and determine what processing is to be performed.

52020 UNCORRECTABLE I/O ERROR.

Cause - An uncorrectable I/O error was encountered while processing an auxiliary file.

Action - Error will terminate the run. If the error recurs, rebuild the auxiliary file and run the job again.

52101 ***THE DATA FILE COULD NOT BE OPENED TO WRITE THE N RECORD. NO N RECORD ON FILE.

Cause - An OPEN error occurred during an XSTOIS or an ISAM FM GEN run.

Action - The N record, which contains statistics that enable the system to compute the size of the QUIP processing block during ISAM QUIP runs, could not be written on the data file. The QUIP processing blocksize will default to 10,000 bytes, unless overridden by the user via a PARM entry on the EXEC card. If an N record is desired, rerun the job. (Rather than rerunning an FM job, the user may wish to create the N record by an ISAM-to-SAM run, followed by a SAM-to-ISAM run.)

52103 ***THE DATA FILE COULD NOT BE OPENED TO UPDATE THE N RECORD.

Cause - An OPEN error occurred during an ISAM FM UPD run.

Action - The N record could not be updated. The error occurred after the file had been updated. See Error Code 52101.

52105 I/O ERROR OCCURRED DURING N RECORD PROCESSING. N RECORD, IF PRESENT ON FILE, NOT ACCURATE.

Cause - An I/O error occurred while processing the N record. (The error occurred after the data records had been updated.) The exact cause of the error is given in the following SYNAD analysis message.

Action - The N record may be inaccurate. (See Error Code 52101 for an explanation of the N record.) An ISAM-to-SAM run, followed by a SAM-to-ISAM run, will ensure an accurate N record.

52107 ***THIS FILE DOES NOT HAVE AN N RECORD. NO MORE STATISTICS CAN BE PRINTED FOR THE FILE.***

Cause - An N record was never created for this file; therefore, it could not be updated during the ISAM FM UPD run.

Action - If an N record is desired, it can be created by an ISAM-to-SAM run, followed by a SAM-to-ISAM run. (See Error Code 52101 for an explanation of the N record.)

52109 ERROR OCCURRED WHILE WRITING THE N RECORD. (The actual cause of the error will be printed here.) N record (IF PRESENT) NOT ACCURATE.

Cause - The error occurred during an XSTOIS or an ISAM FM GEN run.

Action - See Error Code 52101.

3.3 NFL Logic Statement Errors

The following numbered messages are listed as a result of errors or potential errors in the NFL logic statements. These messages immediately follow the logic statement to which they pertain. The sixty thousand series pertains to

errors; the seventy thousand to warnings. Each message appears as follows.

```
FLAG PRE CARD COL CODE   ERROR/WARNING DIAGNOSTICS
 X    X  XXXX  XX XXXXX  XX. . . XX
```

where:

FLAG is normally a blank field. If the error codes could not be sorted, out-of-sequence error will contain an asterisk.

PRE is a single-character prefix which is assigned by the system. The letters A through X are used and correspond to logic statements 1 through 24.

CARD is the sequence number of the card in which the error was encountered.

COL is the card column number indicating the beginning column of the word in error or in certain cases the beginning column of the statement identifier.

CODE - A five-character code indicating the error.

DIAGNOSTIC is a diagnostic message indicating the error type.

60001 POSSIBLE PROGRAM ERROR - CONSULT SYSTEM MAINTENANCE DEPARTMENT.

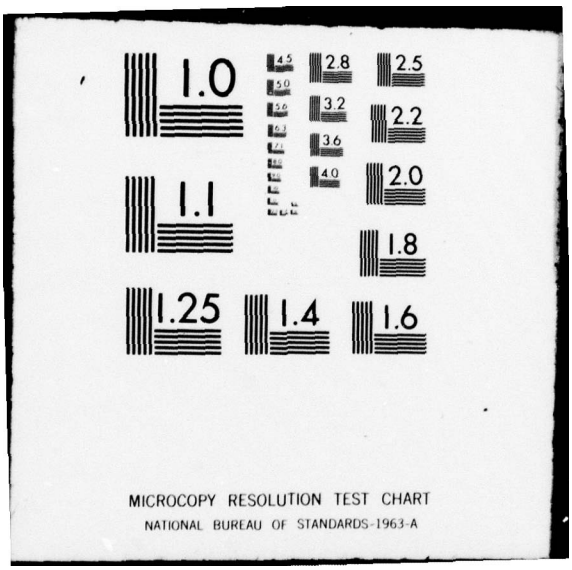
Cause - Internal communication records contain an error. The FFT C record and NFL edit records are incompatible.

Action - Notify the system programmer.

AD-A063 325 COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON D C F/G 9/2
NMCS INFORMATION PROCESSING SYSTEM 360 FORMATTED FILE SYSTEM (N--ETC(U)
SEP 78

UNCLASSIFIED CCTC-CSM-UM-15-78-VOL-9 SBIE-AD-E100 134 NL

2 OF 5
AD
AD63325


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

60002 POSSIBLE PROGRAM ERROR - CONSULT SYSTEM MAINTENANCE DEPARTMENT.

Cause - Internal communication records contain an error. Output from the NFL edit passes cannot be identified by the NFL translator.

Action - Notify the system programmer.

60101 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is missing or the statement is incomplete.

Action - Correct the statement and resubmit the logic statement in another job.

60102 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in the JOB COMPLETE statement.

Action - Correct the operand and resubmit the logic statement in another job.

60103 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in the NEW RECORD conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60104 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in the OVERFLOW conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

ERROR CODES

60105 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a SWITCH conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60106 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a TABLE condition test.

Action - Correct the operand and resubmit the logic statement in another job.

60107 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in the PICTURE conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60108 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in the BIT conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60109 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in an arithmetical conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

ERROR CODES

60110 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in an EQUAL conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60111 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a LESS THAN or GREATER THAN conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60112 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a BETWEEN conditional test.

Action - Correct the operand and resubmit the logic statement in another job.

60113 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in GO statement.

Action - Correct the operand and resubmit the logic statement in another job.

60114 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a TURN statement.

Action - Correct the operand and resubmit the logic statement in another job.

60115 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a BUILD statement.

Action - Correct the operand and resubmit the logic statement in another job.

60116 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a DELETE statement.

Action - Correct the operand and resubmit the logic statement in another job.

60117 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a STEP or LOCATE statement.

Action - Correct the operand and resubmit the logic statement in another job.

60118 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in an ATTACH statement.

Action - Correct the operand and resubmit the logic statement in another job.

60119 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a WRITE, PRINT, PUNCH, or DISPLAY statement.

Action - Correct the operand and resubmit the logic statement in another job.

60120 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a COMPUTE statement.

Action - Correct the operand and resubmit the logic statement in another job.

60121 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a DEFINE statement.

Action - Correct the operand and resubmit the logic statement in another job.

60122 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a MOVE statement.

Action - Correct the operand and resubmit the logic statement in another job.

60123 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a POSITION statement.

Action - Correct the operand and resubmit the logic statement in another job.

60124 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - An ELSE, CONTINUE, PROCEDURE, RETURN, or END statement contains extraneous operands. These statements are single-word statements and must be followed by statement label or a statement identifier.

Action - Correct the operand and resubmit the logic statement in another job.

60125 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Operand is illegal in a NOTE statement. The NOTE statement must contain a single operand enclosed in quotes.

Action - Correct the operand and resubmit the logic statement in another job.

60126 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - The COMPUTE statement contains unbalanced parentheses.

Action - Correct the statement so that there is an equal number of left and right parentheses and resubmit the logic statement in another job.

60127 INVALID SYNTAX - INDICATED OPERAND IS ILLEGAL FOR STATEMENT BEING PROCESSED.

Cause - Partial field notation is illegal for data fields, transaction fields, or indirect address fields that are binary or coordinate mode. Partial field notation cannot be applied to the system constants BLANK, BLANKS, ZERO, ZEROS, or ZEROES.

Action - Correct the statement and resubmit the logic statement in another job.

60201 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - The data field name, transaction field name, indirect address name, define name, or subroutine name exceeds seven characters, does not begin with an alphabetic character or contains special characters.

Action - Correct the name and resubmit the logic statement in another job.

60202 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - The define name in a DEFINE statement was used in a previous DEFINE statement.

Action - Correct the logic statement so that each define name is unique and resubmit the logic statement in another job.

60203 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - The define name used in a DEFINE statement is identical to a name in the data file.

Action - Correct the logic statement so that each define name is unique and not the same as data file names. Resubmit the logic statement in another job.

60204 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - An indirect address name used as a statement operand was not found in the list of transaction field names for this logic statement.

Action - Correct the logic statement by adding the missing name as a TDD descriptor card or by modifying its use as a statement operand. Resubmit the logic statement in another job.

60205 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - A transaction field name used as a statement operand was not found in the list of transaction field names for this logic statement.

Action - Correct the logic statement by adding the missing name as a TDD descriptor card or by

modifying its use as a statement operand. Resubmit the logic statement in another job.

60206 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - A data field name was not found in the FFT.

Action - Correct the statement operand and resubmit the logic statement in another job.

60207 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - A DEFINE name was not found in the list of DEFINE names for this logic statement.

Action - Correct the statement operand and resubmit the logic statement in another job.

60208 INVALID REFERENCE - INDICATED REFERENCE IS ILLEGAL, UNDEFINED, OR DUPLICATELY DEFINED.

Cause - A subroutine or table conversion routine was not found in the library.

Action - Ensure that all conversion routines required by the logic statement are on the library. Resubmit the logic statement in another job.

60301 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A statement which must not be labeled has been assigned a label.

Action - Remove the label and resubmit the logic statement in another job.

60302 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A PROCEDURE statement was not labeled.

Action - Add a label name to the PROCEDURE statement and resubmit the logic statement in another job.

60303 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A label name used in a GO statement or as an EXIT reference is undefined. The label name did not appear in the list of statement labels for this particular logic statement.

Action - Correct the error and resubmit the logic statement in another job.

60304 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A label name used in a GO statement or as an EXIT reference references a statement label that is in a procedure definition.

Action - Correct the error and resubmit the logic statement in another job.

60305 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A label name used as an EXIT reference references a procedure.

Action - Correct the error and resubmit the logic statement in another job.

60306 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A statement label was not unique.

Action - Correct the logic statement so that all statement labels are unique and resubmit the logic statement in another job.

60307 INVALID STATEMENT LABEL - LABEL IS MISSING OR IMPROPERLY USED.

Cause - A statement label was not followed by a statement identifier.

Action - Remove the extraneous words between the statement label and the statement identifier. Resubmit the logic statement in another job.

60401 INVALID STATEMENT SEQUENCE - END STATEMENT IS MISSING FOR THIS LOGIC STATEMENT.

Cause - Self-explanatory. For the last logic statement in a run, an end card will be generated by the system and will appear in the listing. For all other statements, no end card will be generated. In either case, however, the run will be terminated.

Action - Include the end statement and rerun the job.

60402 INVALID STATEMENT SEQUENCE - STATEMENT IS MISSING OR IMPROPERLY SEQUENCED.

Cause - Statements were found after the END statement in this logic statement.

Action - Correct the error and resubmit the logic statement in another job.

60403 INVALID STATEMENT SEQUENCE - STATEMENT IS MISSING OR IMPROPERLY SEQUENCED.

Cause - A statement was found to be out of sequence. This can be caused by a PROCEDURE statement in a procedure definition or an improperly written condition/action statement sequence.

Action - Correct the error and resubmit the logic statement in another job.

60501 INVALID MODE - DATA MODE IS ILLEGAL FOR USE OR MODE MIX IS INVALID.

Cause - An operand used in a COMPUTE statement is not binary, decimal, or neuter mode.

Action - Correct the operand and resubmit the logic statement in another job.

60502 INVALID MODE - DATA MODE IS ILLEGAL FOR USE OR MODE MIX IS INVALID.

Cause - The operands used in a conditional test or in a MOVE statement have an invalid mode combination.

Action - Correct the operand or operands and resubmit the logic statement in another job.

60503 INVALID MODE - DATA MODE IS ILLEGAL FOR USE OR MODE MIX IS INVALID.

Cause - The mode of an input operand for subroutine or table conversion is invalid for that conversion routine.

Action - Correct the error and resubmit the logic statement in another job.

60504 INVALID MODE - DATA MODE IS ILLEGAL FOR USE OR MODE MIX IS INVALID.

Cause - The output mode of a subroutine or table conversion routine is invalid for the receiving field.

Action - Correct the error and resubmit the logic statement in another job.

60601 LIMITATION VIOLATION - MAXIMUM RANGE FOR INDICATED OPERAND HAS BEEN EXCEEDED.

Cause - The specified partial field notation is invalid. Partial field notation has the form m/n, where m and/or n range between 1 and the length of the field and M cannot be greater than n.

ERROR CODES

Action - Correct the operand and resubmit the logic statement in another job.

60602 LIMITATION VIOLATION - MAXIMUM RANGE FOR INDICATED OPERAND HAS BEEN EXCEEDED.

Cause - The specified EBCDIC work area notation is invalid. EBCDIC work area notation has the form Wm/n, where m and/or n range between 1 and 500, and m cannot be greater than n.

Action - Correct the operand and resubmit the logic statement in another job.

60603 LIMITATION VIOLATION - MAXIMUM RANGE FOR INDICATED OPERAND HAS BEEN EXCEEDED.

Cause - The specified binary work area notation is invalid. Binary work area notation has the form Bn, where n ranges between 1 and 20.

Action - Correct the operand and resubmit the logic statement in another job.

60604 LIMITATION VIOLATION - MAXIMUM RANGE FOR INDICATED OPERAND HAS BEEN EXCEEDED.

Cause - The number of indirect address names referenced in the logic statement exceeds the maximum limit of 50.

Action - Reduce the number of indirect address references in the logic statement or divide the logic statement into two or more smaller logic statements. Resubmit the run in another job.

60605 LIMITATION VIOLATION - MAXIMUM RANGE FOR INDICATED OPERAND HAS BEEN EXCEEDED.

Cause - The number of subroutine/table names referenced in the logic statement exceeds the maximum limit of 50.

Action - Reduce the number of subroutine/table references in the logic statement or divide the logic statement into two or more smaller logic statements. Resubmit the run in another job.

60606 LIMITATION VIOLATION - MAXIMUM RANGE FOR INDICATED OPERAND HAS BEEN EXCEEDED.

Cause - A COMPUTE statement contains more than 25 levels of parentheses.

Action - Rewrite the COMPUTE statement into a series of smaller COMPUTE statements. Resubmit the logic statement in another job.

60701 ILLEGAL SET REFERENCE - REPEATED SET DATA REFERENCED WITHOUT HAVING BEEN POSITIONED.

Cause - Self-explanatory.

Action - Ensure that data file positioning statements are included in the logic statement when data from periodic sets are referenced. Correct the error and resubmit the logic statement in another job.

60801 READ ERROR ON ERROR FILE - NO DIAGNOSTICS WILL BE LISTED.

Cause - Self-explanatory.

Action - Check JCL and resubmit the run.

70001 ***WARNING*** - DATA MOVE TO MAJOR CONTROL FIELD - WILL BE ALLOWED.

Cause - A move to a field in the record ID group has been specified.

Action - None required if specification was correct. If not correct, corrections must be made before logic statement is executed.

70101 ***WARNING*** - ERROR MESSAGES WILL NOT BE SORTED.

Cause - There is insufficient core to sort all error messages.

Action - Expand region size or correct errors.

70102 ***WARNING*** - ERROR MESSAGES WILL NOT BE SORTED.

Cause - The error message sort processor cannot open the error file or I/O errors are detected reading the file.

Action - Check JCL and resubmit run.

3.4 FM User ABEND Codes

Serious processing failure may result in the abnormal termination of the FM run. The FM user ABEND codes are listed below in numerical order, with a brief description of the cause and the action that may be taken to correct each error.

4 ERROR WRITING DATA FILE DURING FILE GENERATION.

Cause - This ABEND code may result from an I/O error, when writing a record in the new data file area, or it may be caused by insufficient space allocation for the new data file.

Action - If insufficient space was allocated for the new data file, increase the space allocation, and rerun the job. Otherwise, see the system programmer.

5 SYSTEM ERROR

Cause - A system error occurred while formatting a FLUD file record. The MOVE table has an incorrect code (i.e., not 1-5).

Action - See system programmer.

8 ERROR DURING OPEN OF SYSIN DATA SET.

Cause - This ABEND may result from an I/O error or in most cases an absent FM.SYSIN DD * data definition card.

Action - If no FM.SYSIN card is included, insert one and rerun job. If FM.SYSIN card is included in deck, see the system programmer.

10 ERROR READING FFT OR LOGIC STATEMENT LIBRARY.

Cause - This ABEND code may result from an I/O error while reading an FFT record or a logic statement record, or it may result from not finding a valid FFT record. If it is an I/O error and the data file is indexed sequential, these records are part of the file; if sequential, these records are part of a temporary indexed sequential file. The system may not find a valid FFT record because of an I/O error, or because the data file it is processing is not a valid NIPS file.

Action - Insure that the data file was properly mounted. For sequential data file processing, rerun the job. For indexed sequential data file processing, restore the file from a backup version, and rerun the job.

12 PROCESSING ERROR DURING POOL INSTRUCTION OPERAND VALIDATION.

Cause - A system error occurred.

Action - If error recurs, rerun the job.

19 TOO MANY LOGIC STATEMENTS TO BE COMPILED.

Cause - User attempted to compile more than 24 logic statements during one FM run.

Action - Resubmit the job as two or more runs, with no more than 24 logic statements to be compiled during one run.

21 ERROR ON TD CARD OF FIELD USED AS INDIRECT ADDRESS OPERAND.

Cause - Error occurred while converting the high-order position or the length of an indirect address operand to binary.

Action - Correct TD deck and resubmit the job.

22 I/O ERROR READING FM COMMUNICATION FILE-FMCOMM.

Cause - A permanent I/O error was encountered by the system while attempting to read a temporary data set containing the FM communications record.

Action - Rerun the job. If error persists, see the system programmer.

24 PROCESSING ERROR DURING LOGIC STATEMENT COMPILATION.

Cause - This error may occur if the card input to FM is out of sequence.

Action - Correct the input deck and rerun the job. If error persists, see the system programmer.

47 FM SYSTEM ERROR DURING INITIALIZATION PHASE.

Cause - This is an FM system error which occurred when FM was unable to interpret internal

codes related to library action processing.

Action - Rerun the job. If the error recurs, see the NIPS system programmer.

48 ERROR ON LIBRARY ACTION CARD.

Cause - Library action card was not DF, DR, DS or AR.

Action - Correct the library action card and rerun the job.

62 I/O ERROR WHILE INITIALIZING THE BRANCH-VECTOR TABLE.

Cause - I/O error.

Action - Resubmit the job. If error persists, see the system programmer.

79 DATA INTERRUPT OR FIXED POINT DIVIDE INTERRUPT HAS OCCURRED.

Cause - a. Possible error in user subroutine.
b. Possible system error in user subroutine.

Data or fixed point divide interrupt. Control was given to the exit routine specified in a SPIE macro. The contents of Register 2 point to the 32-byte Program Interrupt Element (PIE) for the task. The instruction address of the program status word contained in the PIE may be used to determine whether the problem is a or b.

Action - Consult system programmer if instruction address is not within a user subroutine. If it is within a user subroutine, correct the program and rerun.

100 ERROR READING FFT OR LOGIC STATEMENT LIBRARY.

See ABEND code 10 for cause and action.

102 I/O ERROR WHILE READING TRANSACTION.

Cause - a Input error while reading SAM transactions - will be preceded by the error message: RUN TERMINATED BY I/O ERROR' WHILE READING TRANSACTIONS. SAM TRANSACTIONS CAN BE SKIPPED OR ACCEPTED BY CODING 'EROPT=SKP' OR 'EROPT=ACC' ON EXEC CARD.

b Input error while reading ISAM data file transactions or while reading SAM file FFT records preparatory to reading the SAM file data file transactions - will be preceded by the error message: ERROR READING ISAM TRANSACTIONS OR SAM FPT RECORDS. RUN TERMINATED.

c Input error while reading card transactions - will be preceded by the error message: RUN TERMINATED BY I/O ERROR WHILE READING TRANSACTIONS.

d Input error while reading SAM or card transactions, but OS did not return the address of the buffer containing the block of erroneous transactions. No special error message will be printed.

e Input error while reading SAM transactions. or card Either more than 100 errors have been detected, or more than 1000 lines of error information have been printed - will be preceded by error message: RUN TERMINATED. TRANSACTION I/O ERRORS EXCEEDED LIMIT OF 100 OCCURRENCES OR 1,000 LINES PRINTED.

Note: A synad analysis message giving the exact cause of the I/O error will be printed for all transaction I/O errors except ISAM errors or SAM file FFT errors.

Note: Depending on the I/O error, the entire block of transactions in which the error occurs may or may not be read into core. Only as much of the block as is actually read into core can be printed; it will be printed immediately following the synad analysis message.

Action - Rerun the job. If error persists, put the transaction on a different volume.

103 I/O ERROR ON ISAM FILE

Cause - I/O error writing segment record to ISAMWORK or DATAFILE.

Action - Rerun job; if error persists, see system programmer.

104 ERROR WRITING LOGIC STATEMENT LIBRARY.

Cause - This ABEND code results from an error encountered when adding newly compiled logic statements to the logic statement library portion of an ISAM data file, or a temporary ISAM data set when processing a SAM file. Register 15 will contain one of the codes which will indicate the specific error:

- 04 - Duplicate Logic Statement
- 08 - Uncorrectable I/O Error
- 0C - Insufficient Space
- 10 - Invalid Request
- 14 - Record length check
- 18 - Record not found
- 1C - Unreachable Block
- 20 - Logic statements too large

Action - Correct user errors, rerun the job. When processing ISAM files, restore the file from a backup copy and rerun the job.

When processing sequential files, rerun the job. If error persists, see system programmer.

108 ERROR READING FM COMMUNICATIONS FILE -

See ABEND code 22 for cause and action.

111 GENERATED ISAM DATA FILE COULD NOT BE RENAMED.

Cause - A newly generated ISAM data file could not be renamed from system-assigned name to user-assigned name.

Action - Scratch the FFT data file (the data file on the //DATAFILE card) with the IEHPROGM utility. Rebuild the FFT data file with either a file structure or by using UTBLDISM. Rerun the file generation job. To find out why the data file could not be renamed, send the run (including the dump) to the system programmer.

124 I/O ERROR WHILE READING RANGE STATEMENT.

Cause - I/O error.

Action - Resubmit job. If error persists, see the system programmer.

128 ERROR READING LOGIC STATEMENT LIBRARY.

See ABEND code 10 for cause and action.

132 ERROR READING FFT OR LOGIC STATEMENT LIBRARY.

See ABEND code 10 for cause and action.

134 ERROR READING FFT OR LOGIC STATEMENT LIBRARY.

See ABEND code 10 for cause and action.

136 ERROR READING FPT OR LOGIC STATEMENT LIBRARY.

See ABEND code 10 for cause and action.

137 ERROR LOADING INDIRECT ADDRESSING PROCESSOR SUBROUTINES.

Cause - Either an I/O error was encountered by the system when it attempted to load the indirect address processing modules, FMPIA and FMPNTRPT, or these modules are not on the job library.

Action - See the system programmer.

138 ERROR READING TEMPORARY PARTITIONED DATA SET CONTAINING LOGIC STATEMENTS.

Cause - An error was encountered by the system attempting to load a logic statement prior to adding newly compiled logic statements to the logic statement library portion of an indexed sequential data file or a temporary indexed sequential data set when processing a sequential file.

See ABEND 141 for specific nature of the error.

Action - See ABEND 141.

139 ERROR READING FPT OR LOGIC STATEMENT LIBRARY DURING ISAM FILE GENERATION F FMGFIO.

Cause - A read error was encountered while copying the original FPT and logic statement library onto the new data file during ISAM file generation.

Action - Either use backup copy of the FFT and logic statement library or restructure the FFT and recompile the logic statements. ments.

140 I/O ERROR ADDING LOGIC STATEMENTS TO LOGIC STATEMENT LIBRARY.

See ABEND code 104 for cause and action.

141 ERROR ATTEMPTING TO LOAD LOGIC STATEMENT FOR EXECUTION FROM TEMPORARY PARTITIONED DATA SET CONTAINING LOGIC STATEMENTS.

Cause - The contents of Register 15 indicate the nature of the error.

Reg. 15

Ø4 - The requested load module (i.e., logic statement) could not be found on the temporary logic statement library. The system may have supplied an invalid list to the BLDL macro.

Ø8 - A permanent I/O error occurred when the control program attempted to search the directory of the temporary logic statement library.

ØC - Insufficient core was available for the logic statement to be loaded.

Action - If sufficient core was not available, increase the region or partition size. Otherwise, rerun the job; if error recurs, see system programmer.

170 SAM DATA FILE I/O ERROR.

Cause - The error described by the last error code message printed resulted in the ABEND.

Action - Take action described for specified error message.

172 ISAM DATA FILE I/O ERROR DURING FILE UPDATE.

Cause - The error described by the last error message printed by the file processor resulted in the ABEND.

Action - Take action described for specified error message.

204 ERROR READING DATA FILE DURING FILE UPDATE.

Cause - During a file update, a permanent read error was encountered by the system while processing Range statements.

Action - Restore file from a backup copy and rerun the job.

231 ERROR READING DATA FILE.

See ABEND code 172 for cause and action.

400 FILE CONTROL RECORD NOT FOUND

Cause - File does not contain a 'C' record.

Action - A file without a 'C' record is not a NIPS file. Check the data set name in JCL.

401 INSUFFICIENT CORE TO PROCESS SEGMENT RECORD

Cause - Insufficient core was determined by a GETMAIN instruction while attempting to process a segment (P) record.

Action - Increase core and run job again.

402 INSUFFICIENT CORE TO PROCESS DATAFILE

Cause - Insufficient core was deterined by a GETMAIN instruction while attempting to process the data file.

Action - Increase core and run job again.

403 I/O ERROR PROCESSING ISAMWORK DATASET

Cause - An I/O error was encountered by the system when it attempted to read the ISAMWORK data set.

Action - Rerun the job. If error persists, see the systems programmer.

404 SEGMENT RECORD PROCESSING ERROR

Cause - Segment record on ISAMWORK data set does not match segment record in data file. Usually caused when /SAMWORK DD statement is overridden to point to file FFT on disk.

Action - Insure segment records on ISAM FFT correspond with segment records on sequential FFT.

Action - Increase core and run job again.

707 ERROR COMPILATION ILLEGAL FOR EXECUTE ONLY PROCEDURE. RUN TERMINATED WITH ABEND 707.

Cause - User attempted to compile a logic statement using the procedure FMEX.

Action - Use the procedure, FM, or remove the logic statement from the run deck.

1000 INPUT/OUTPUT ERROR READING A WORK FILE

Cause - An I/O error was encountered by the system when it attempted to read the file containing GEN or EDIT macro instructions.

Action - Rerun job. If error persists, see systems programmer.

4094 ERROR OCCURRED WHILE PROCESSING AN NFL LOGIC STATEMENT.

Cause - The message (and code) preceding the ABEND described the cause of the error. Possible messages and recommended actions are as follows:

Message- *** NFL PASS 1 ***
*** UNABLE TO CONTINUE MESSAGE CODE
(See Below)
*** DIAGNOSTIC MESSAGE

(A) FMFLUD DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(B) SORTWK01 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(C) SORTWK03 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(D) FMFLUD I/O READ ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(E) SORTWK01 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(F) SORTWK03 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

Message- *** NFL PASS 2 ***
*** UNABLE TO CONTINUE MESSAGE CODE
(See Below)
*** DIAGNOSTIC MESSAGE

(A) Cause - Self-explanatory.

Action - Check JCL and resubmit the job.

(B) SORTWK02 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(C) SORTWK04 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(D) FMLABELS DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(E) FMLITFIL DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(F) SORTWK01 I/O READ ERROR.

ERROR CODES

Cause - Self-explanatory.

Action - Resubmit the job.

(G) SORTWK02 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(H) SORTWK04 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(I) FMLABELS I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(J) FMLITFIL I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(K) SORTWK01 RECORD FORMAT ERROR.

Cause - Logic statement header records created by PASS1 are of improper format for PASS2.

Action - Notify the system programmer.

(L) SORTWK01 RECORD FORMAT ERROR.

Cause - An unexpected EOF was read.

Action - Notify the system programmer.

(M) SORTWK06 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(N) SORTWK06 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(1) INSUFFICIENT CORE FOR NAME TABLES.

Cause - Self-explanatory.

Action - Resubmit the job. A 52K partition is adequate.

(2) EXCESSIVE STATEMENT LABELS.

Cause - The number of statement labels referenced in a single logic statement exceeds the maximum of 100.

Action - Reduce the number of statement labels or convert the logic statement into a series of smaller logic statements. Resubmit the job.

(3) EXCESSIVE GO/EXIT LABELS.

Cause - The number of label names used as GO or EXIT references exceeds the maximum of 100.

Action - Reduce the number of label references or convert the logic statement into a series of smaller logic statements. Resubmit the job.

(4) EXCESSIVE DATA FIELD NAMES.

Cause - The number of unique data field names in all logic statements of a single job exceeds the maximum of 400.

Action - Reduce the number of logic statements in the job. Resubmit the job.

(5) EXCESSIVE DEFINE NAMES.

Cause - The number of define names in a single logic statement exceeds the maximum of 266.

Action - Reduce the number of define names in the logic statement. Resubmit the job.

(6) EXCESSIVE SUBROUTINE/TABLES NAMES.

Cause - The number of unique subroutine/table names in all logic statements of a single job exceeds the maximum of 50.

Action - Reduce the number of logic statements in the job.

Message- *** NFL PASS 3 ***
*** UNABLE TO CONTINUE MESSAGE CODE (See Below
*** DIAGNOSTIC MESSAGE

(A) SORTWK02 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(B) SORTWK01 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(C) SORTWK04 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

ERROR CODES

(D) FMLABELS DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(E) FMLITFIL DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(F) SORTWK02 I/O READ ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(G) SORTWK03 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(H) SORTWK04 I/O WRITE ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(I) FMLITFIL I/O READ ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(J) FMLITFIL I/O READ ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(K) DATA FILE NOT OPENED.

ERROR CODES

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(L) DATA FILE I/O READ ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(M) SORTWK03 DATA SET NOT OPENED.

Cause - Self-explanatory.

Action - Check the JCL and resubmit the job.

(N) SORTWK03 I/O READ ERROR.

Cause - Self-explanatory.

Action - Resubmit the job.

(O) SORTWK02 RECORD FORMAT ERROR.

Cause - Logic statement header records created by PASS2 are of improper format for PASS3.

Action - Notify the system programmer.

(P) SORTWK02 RECORD FORMAT ERROR.

Cause - An unexpected EOF was read.

Action - Notify the system programmer.

(1) INSUFFICIENT CORE FOR NAME TABLES.

Cause - Self-explanatory.

Action - Resubmit the job. A 53K partition is adequate.

ERROR CODES

(2) DATA FILE NOT FOUND.

Cause - Self-explanatory.

Action - Check the data file DD card and the data set it designates. Resubmit the job.

Message- *** PASS 4 ***
*** UNABLE TO CONTINUE MESSAGE CODE
(See Below)
*** DIAGNOSTIC MESSAGE

(A) UNABLE TO LOCATE A DATA FILE

Cause - Neither symbolic ISAM nor SAM was specified.

(B) INSUFFICIENT CORE.

Cause - There is not enough core for PASS4 to process.

Action - Expand size of region and resubmit the run.

(C) ERROR OPENING or READING DATAFILE.

Cause - Self-explanatory.

Action - Check JCL and resubmit the run.

(D) ERROR OPENING or READING SORTWK06

Cause - Self-explanatory.

Action - Check JCL and resubmit the run.

Message- *** PASS 5 ***
*** UNABLE TO CONTINUE - CANNOT OPEN
DATA SET XXXXXXXX
*** DIAGNOSTIC MESSAGE

Cause - Data set XXXXXXXX cannot be opened.

Action - Check JCL and resubmit the run.

4095 PROCESSING ERROR DURING FILE PROCESSING.

Cause - The error described by the last error message printed by the file processor resulted in the ABEND.

Action - Take action described for specified error message.

3.5 Index Maintenance Errors

The following error codes are generated as necessary by the Index Maintenance portion of the Secondary Indexing capability.

3400 READ ERROR ON ISAM DATA FILE.

Cause - A read error was encountered when reading an ISAM data file in the process of building the index fields table.

Action - Error terminates the run. Restore file from backup and rerun the job.

3401 WRITE ERROR ON INDEX TRANSACTION FILE.

Cause - A write error was encountered when writing on the Index Transaction Data Set.

Action - Error will terminate the run. Rerun the job. If error persists, see the system programmer.

3402 READ ERROR ON INDEX TRANSACTION DATA SET.

Cause - A read error was encountered while reading the Index Transaction Data Set during Index Data Set maintenance.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set.

3403 WRITE ERROR ON INDEX DATA SET.

Cause - A write error was encountered while writing on the Index Data Set.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set. If error persists, see system programmer.

3404 READ ERROR ON INDEX DATA SET.

Cause - A read error was encountered while reading the Index Data Set.

Action - Error terminates the run. Rerun the job with backup data file and Index Data Set.

3405 SUB/TAB subname NOT ON LIBRARY.

Cause - The conversion or analyzer subroutine/table identified by 'Subname' cannot be located on the library.

Action - Update the library to include subname.

3406 WARNING - ERROR RETURN FROM SUB/TABLE.

Cause - SUBSUP did not return the successful conversion code from SUB/TABLE execution.

Action - Job has run to completion. Check the value of the field in question to ensure its validity for the subroutine/table conversion.

3407 ERROR RETURN FROM SORT DURING INDEX MAINTENANCE PROCESSING.

Cause - Sort returned an error completion code after final record.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set. If error persists, see system programmer.

3408 OPEN ERROR ON INDEX TRANSACTION DATA SET - RUN TERMINATED.

Cause - An OPEN error was encountered while trying to open the Index Transaction Data Set in IXMEX.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set.

3409 UNSUCCESSFUL RETURN FROM IXE35INI.

Cause - Errors were encountered while trying to initialize IXMTSE35.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set.

3410 UNABLE TO ALLOCATE CORE FOR E35 DSECT.

Cause - A GETMAIN error in IXE35INI.

Action - Error terminates the run. Rerun the job. Use backup data file and index data set.

3411 READ JFCB ERROR FOR INDEX DATA SET.

Cause - A RDJFCB error in IXE35INI.

Action - Error terminates the run. Rerun the job. Use backup data file and index data set.

3412 OPEN ERROR ON BDAM DATA SET

Cause - An open error was encountered while trying to open the Index Data Set in IXE35INI.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set.

ERROR CODES

3413 INDEX DATA SET DSCB NOT FOUND

Cause - Index Data Set not found. See system error code 213 for explanation of possible causes.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set.

3414 BLOCKSIZE OF INDEX DATA SET NOT BETWEEN 560/1020 BYTES.

Cause - Blocksize of Index Data Set not correctly specified.

Action - Insure that blocksize is between 560 and 1020 bytes and rerun the job.

3415 FEWER THAN 50 BLOCKS ALLOCATED TO INDEX DATA SET.

Cause - Number of blocks for Index Data Set not correctly specified.

Action - Insure that at least 50 blocks are allocated for the Index Data Set and rerun the job.

3416 UNABLE TO ALLOCATE CORE FOR I/O BUFFER AREAS. AREAS.

Cause - A GETMAIN error in IXE35INI.

Action - Error terminates the run. Rerun the job. Use backup data file and Index Data Set.

3417 INDEX DATA SET NAME DOES NOT MATCH DATA FILE NAME.

Cause - Index Data Set name not correctly specified.

Action - Insure that data file name and Index Data Set name are the same and rerun the job.

3418 NOT ENOUGH BLOCKS SPECIFIED FOR INDEX DATA SET.

Cause - Index Data Set is larger than number of blocks specified.

Action - Error causes run to abend. Specify more blocks for Index Data Set. Rerun the job with backup data sets.

3421 KEYWORD FIELD NNN MEMBER NOT IN LIBRARY -X WHERE NNN IS FIELD ID AND X IS A MEMBER ID:

1 - Scan Subroutine
2 - Stop Work Table
3 - Dictionary

Cause - Self-explanatory.

Action - See the system programmer; use UTNDXSPC to delete and add the field index for proper index data set maintenance.

3423 KEYWORD FIELD NNN MEMBER LOAD FAILURE - X WHERE NNN IS THE FIELD ID AND X IS A MEMBER ID:

1 - Scan Subroutine
2 - Stop Word Table
3 - Dictionary

Cause - Self-explanatory.

Action - See the system programmer; use UTNDXSPC to delete and add the field index for Proper index data set maintenance.

35XX NOTE: Refer to paragraph 4.12 (Index Processing Messages) for 35XX messages.

Section 4

RETRIEVAL AND SORT PROCESSOR ERROR CODES

This section lists the messages and error codes produced by the Retrieval and Sort Processor (RASP) component. The causes of the error codes or messages are explained, the accompanying action by the component or system is described, and appropriate responses are suggested.

Sections 4.1 through 4.10 contain RASP messages in numerical sequence. The first digit is an identifier which defines the statement or class of statement which produced the error message. The next two digits usually designate a specific error condition. RASP produces a confirmation checklist of all source statements input to the component. It flags up to 10 errors per statement by placing the digit 1 beneath the word in error. If 10 or more errors are found in a statement, it prints an advisory code of 999 as the 10th code indicating that an excessive number of errors have been found in the statement.

Section 4.11 contains the messages produced by the Index Processing function of File Indexing. In every Secondary Indexing error condition, RASP defaults to a no-Index-Processing; i.e., file-access, mode of operation. All data file records will be accessed and examined to determine qualifiers. In the event of a keyword indexing error condition, retrieval functions are terminated with an advisory message.

ERROR CODES

4.1 ØXX Series - Edit Diagnostics--General

ØØØ UNIDENTIFIED STATEMENT.

Cause - The statement identifier is either missing or misspelled.

Action - Program execution is terminated after editing the input stream. Correct the parameter or parameters in error and resubmit the job.

001 OUT OF SEQUENCE.

Cause - The FILE statement is not the first statement in the source deck or one or more statements are out of sequence in the Retrieval Division.

Action - Program execution is terminated after editing the input stream. Correct the sequence and rerun the job step.

002 STATEMENT TOO LARGE.

Cause - The flagged statement is coded on more than 27 cards.

Action - This retrieval is marked as 'not executable'. All remaining statements in the retrieval are edited. Correct the statement so that it is no longer than the length allowed. A statement term (.) has been inserted in columns 1 and 2 of card 28 and all remaining statements in the retrieval are edited.

003 NO ROOM FOR GETMAIN OPERATION.

Cause - There was not enough contiguous core available to build an internal list of FFT field names.

Action - Increase core size and rerun the job.

4.2 1XX Series - Control Division Statements (FILE, EXECUTE, DELETE)

100 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks, or the period and blank(s) are encountered before the statement is complete.

Action - This retrieval is marked as 'not executable'. All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

101 END OF PROFILE NOT END OF STATEMENT.

Cause - The program constructed profile which points to each word in the statement table has fewer pointers than the number of words in the statement. One possible cause is a missing statement terminator on the last statement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct any invalid statement terminators and resubmit the retrieval. If this message is produced again, report it to the system programmer.

102 INVALID FILE NAME.

Cause - The name parameter must not exceed seven characters, must begin with an alphabetic character and contain no embedded special symbols.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

105 TOO MANY NAMES SPECIFIED.

Cause - Maximum of one file name per FILE statement or 96 retrievals in the EXECUTE statement have been exceeded.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

111 INVALID STMT SEQUENCE; UNABLE TO CONTINUE.

Cause - Self-explanatory.

Action - Correct statement sequence (reference Table 1, Sequence Matrix for Retrieval Statements, in the PASP User's Manual, Vol IV) and resubmit the job.

121 SYNTAX ERROR.

Cause - The right parenthesis indicating the end of a multivalued replacement was not followed by a self-defining term, a literal, a field/group name or a right parenthesis.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

122 SYNTAX ERROR.

Cause - The left parenthesis indicating the beginning of a replacement string was not followed by a self-defining term, a literal or a field/group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

123 SYNTAX ERROR.

Cause - A left parenthesis indicating the beginning of a multivalued replacement was not followed by a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

124 SYNTAX ERROR.

Cause - The equal sign was not followed by a dollar sign, a self-defining term, a literal, or a left parenthesis. A single dollar sign was not used as the replacement variable for a conditional clause which is to be omitted at execution time.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

125 SYNTAX ERROR.

Cause - The equal sign was not followed by a dollar sign or a field/group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

126 SYNTAX ERROR.

Cause - The dollar sign was not followed by a self-defining term, a literal, a field/group name or a right parenthesis.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

127 SYNTAX ERROR.

Cause - A self-defining term or a literal was not followed by an equal sign.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

128 SYNTAX ERROR.

Cause - A field/group name was not followed by an equal sign.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

130 EXCESSIVE LIBRARY ACTIONS REQUESTED.

Cause - The maximum total of 255 library actions (from all sources) has been exceeded.

Action - The job is terminated. Reduce the number of library actions requested and resubmit the job.

131 INVALID STATEMENT SEQUENCE - UNABLE TO CONTINUE.

Cause - Self-explanatory.

Action - The job is terminated. Correct the deck and resubmit the job.

132 NO RASP STATEMENTS.

Cause - Self-explanatory.

Action - The job is terminated. Correct the input decks and resubmit the job.

133 NO VALID PRIMARY FILE, STOP AFTER EDIT I.

Cause - No file can be identified under the name given in the primary FILE statement.

Action - The job is terminated. Check the spelling given in the FILE statement and ensure that the file is cataloged or that an appropriate DD statement is supplied if the override option is used.

134 UNRECOVERABLE I/O ERROR - UNABLE TO CONTINUE

Cause - Self-explanatory.

Action - The job is terminated. Rerun the job. If the problem persists notify customer engineer.

135 USER ATTEMPTED TO OVERRIDE MERGED FILE DD STATEMENTS.

Cause - Self-explanatory.

Action - The job is terminated. Correct the DD statements and rerun the job.

136 FFT NAMES LIST EXHAUSTED.

Cause - Self-explanatory.

Action - The job is terminated. Correct the FFT and rerun the job.

137 NO ROOM FOR FFT DATA TABLE.

Cause - Self-explanatory.

Action - The job is terminated. All remaining statements in the retrieval are edited. Enlarge the region size and rerun the job.

138 I/O ERROR READING filename FFT.

Cause - This is caused by either a legitimate I/O error, the mounting of a non-NIPS tape, or by using the wrong LABEL parameter on the SAMFILE DD statement.

Action - The job is terminated. Correct the error and rerun the job.

139 filename FILE CANNOT BE LOCATED.

Cause - No DD statement was found to match the file name used.

Action - The job is terminated. Correct the file name or the DD statement and rerun the job.

140 filename INPUT IS NOT A NIPS DATA FILE.

Cause - This is caused by either a legitimate I/O error, by the mounting of a non-NIPS tape, or by using the wrong LABEL parameter on the SAMFILE DD statement.

Action - The job is terminated. Correct the error and rerun the job.

141 STATEMENT FACTORING I/O ERROR.

Cause - Self-explanatory.

Action - The job is terminated. Rerun the job; if problem persists notify customer engineer.

142 STATEMENT FACTORING CORE TABLES EXCEEDED.

Cause - Not enough main storage was available for statement factoring tables.

Action - The job is terminated. Decrease the size of the retrieval and/or increase the region size and resubmit the job.

143 PERMANENT I/O ERROR IN DATA SET - UNABLE TO CONTINUE.

Cause - Self-explanatory.

Action - The job is terminated. Resubmit the job; if problem persists see customer engineer.

144 STATEMENT FACTORING ERROR.

Cause - An error has been made while factoring statements.

Action - The job is terminated. Rerun the job with a //RASP.SNAPSHOT DD SYSOUT=A card just before SYSIN card and turn in that output to systems programmers.

145 IRRECOVERABLE I/O ERROR ON NAME TAB.

Cause - Self-explanatory.

Action - The job is terminated. Resubmit the job; if problem persists notify customer engineer.

156 INVALID LITERAL.

Cause - The term must be enclosed by literal delimiters (quote or dash). If it is used as a stand-alone data value, it must not contain any of the following character combinations embedded in it:

-)	')
-¢	'¢
-.	'-
-,	',

In addition, it may not contain the following embedded character combination if it is used as a subfield.

-/	'/

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

161 INVALID RETRIEVAL NAME.

Cause - The retrieval name must not exceed seven characters, must begin with an alphabetic character and contain no special symbols.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

162 LABEL TABLE IS FULL.

Cause - The maximum number of field/group names in the retrieval batch exceeds 400.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names does not exceed 400.

170 INVALID RADIUS REPLACEMENT.

Cause - The radius replacement is nonnumeric or is greater than 10,800 nautical miles.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

171 INVALID COORDINATE REPLACEMENT.

Cause - The coordinate replacement is nonnumeric or of improper format.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the parameter in error and submit the retrieval in another job.

172 MULTIPLE REPLACEMENT NOT ALLOWED.

Cause - A multivalued replacement is permitted only for an OVP coordinate variable or a self-defining or literal variable with the EQ, NE, BT, CONTAINS, or INCLUDES relational operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

173 DATA SET MEMBER NOT FOUND.

Cause - A request was made to execute a previously compiled retrieval with variable replacements. The program was unable to find the retrieval on the library.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that the retrieval name is correct and the retrieval is on the library. Submit the retrieval in another job.

174 VARIABLE NOT FOUND IN DATA SET.

Cause - A request was made to replace a variable in a previously compiled retrieval. The program was unable to find the specified variable name for that retrieval.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that the variable name is correct and submit the retrieval in another job.

175 INVALID COORDINATE OVERLAP ATTEMPTED.

Cause - An attempt was made to test for an overlap condition which cannot be tested for. The four permissible OVP relations are: point versus area, line versus area, line versus line, and area versus area.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that a permissible OVP relation is being tested for and submit the retrieval in another job.

180 SYSTEM SUBROUTINE SPECIFICATION IS ILLEGAL.

Cause - The subroutine names UTCORDI and UTCORDO cannot be specified as function subroutine names.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the error and submit the retrieval in another job.

181 FIELD NAME NOT IN FFT.

Cause - The replacement field/group name was not defined in the FFT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

183 OPERAND COMPOSITION IS INCONSISTENT WITH SUBROUTINE INPUT REQUIREMENT.

Cause - The type and length attribute of a subroutine input does not agree with one or more of the attributes expected by the subroutine.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Check the input requirements of the conversion subroutine and the subroutine attributes defined in the system library.

184 SUBROUTINE OUTPUT TYPE IS INCONSISTENT WITH FIELD DEFINED BY FFT.

Cause - The subroutine output mode (alphabetic, binary, coordinate or decimal) does not match the output mode specified in the FFT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Define an alternate subroutine or modify the subroutine; when appropriate, resubmit the retrieval.

185 SUBROUTINE CONVERSION ERROR.

Cause - The conversion subroutine could not be loaded into core.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that the subroutine is on the library and can fit into partition size.

186 SUBROUTINE ATTRIBUTES INVALID FOR SPECIFIED FIELD.

Cause - The subroutine output mode must agree with the field mode specified in the FFT and the output length must not exceed the length attribute defined for the field.

Action - This retrieval is marked as 'not executable'. All remaining statements in the retrieval are edited. Modify the subroutine or define another subroutine, as appropriate. Resubmit the retrieval in another job.

187 SUBROUTINE NOT SUCCESSFULLY EXECUTED.

Cause - The subroutine detected a condition which caused it to indicate an unsuccessful return code. In table conversion, the failure to match the argument to a table function will yield such a return.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that all conversion input requirements have been met and the subroutine has been fully tested before inclusion in the system.

192 FIELD WHOSE NAME IS USED AS AN OPERAND IS INCONSISTENT WITH FIELD NAME SPECIFIED.

Cause - The attributes of the field used as a replacement are incompatible with the mode or length attributes of the variable field or group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

193 FFT SPECIFIES NUMERIC FIELD AND OPERAND CONTAINS NONNUMERIC CHARACTERS.

Cause - A self-defining or literal replacement value contains nonnumeric characters. The conditional clause in which this replacement is used specifies a numeric replacement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

194 OPERAND LONGER THAN FIELD LENGTH SPECIFIED IN FPT.

Cause - A self-defining or literal replacement value exceeds the length specified for the conditional clause in which the replacement is used.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

196 USER SUBROUTINE NOT AVAILABLE.

Cause - The subroutine whose name is a replacement for a function operator subroutine was not found on the library or could not be loaded.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that the subroutine is on the library.

197 DIFFERENT PERIODIC SETS REFERENCED.

Cause - A field/group name replacement does not reference either the fixed set or the same periodic set referenced by the field/group name it is replacing.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

4.3 2XX Series - TITLE Statements

200 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

201 END OF PROFILE NOT END OF STATEMENT.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct any invalid statement terminators and resubmit the retrieval. If this message is produced again, report it to the system programmer.

202 SYNTAX ERROR.

Cause - The RIT name must be followed by NO-GO option, ADD option, REPLACE option or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and resubmit the retrieval in another job.

203 SYNTAX ERROR.

Cause - The NO-GO option must be followed by the ADD option, the REPLACE option, a RIT name or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

204 SYNTAX ERROR.

Cause - The ADD option must be followed by the NO-GO option, REPLACE option, a RIT-name, or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

205 SYNTAX ERROR.

Cause - The REPLACE verb must be followed by a valid retrieval name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

206 SYNTAX ERROR.

Cause - The retrieval name following the REPLACE verb must be followed by the NO-GO option, ADD option, a RIT name or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

207 SYNTAX ERROR.

Cause - The word NO was not immediately followed by the word GO.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

208 SYNTAX ERROR.

Cause - The first operand of the TITLE statement must be a retrieval name and retrieval number.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

209 SYNTAX ERROR.

Cause - The retrieval name and retrieval number must be followed by a NO-GO option, ADD option, REPLACE option, an RIT-name, or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

210 WARNING - NAMES ENDING WITH ZERO ARE NOT PERMITTED. NO LIBRARY ACTION WILL BE PERFORMED WITH THIS NAME. EXECUTION WILL BE ATTEMPTED, BUT IF A SIMILAR NAME EXISTS WITH MORE OR LESS TRAILING ZEROES, THE WRONG QUERY MAY BE EXECUTED.

Cause - One or more TITLE statements contained a retrieval name ending with the character zero.

Action - Change the retrieval name. If you had such names stored before this restriction was imposed, they should be renamed to avoid future problems.

250 RETRIEVAL NUMBER GREATER THAN FOUR DIGITS OR NONNUMERIC.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

251 TOO MANY NAMES SPECIFIED.

Cause - Only one FIT-name may be specified in a TITLE statement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

252 INVALID OPERAND.

Cause - The ADD and REPLACE options must not be specified in the same TITLE statement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

253 INVALID OPERAND.

Cause - Only one REPLACE option may be specified in a TITLE statement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

261 INVALID NAME.

Cause - The retrieval name or FIT-name in the TITLE statement is in error.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

4.4 3XX Series - LIMIT Statements

300 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and rerun the retrieval job.

301 END OF PROFILE NOT END OF STATEMENT.

Cause - The program constructed Profile Table pointing to each word in the statement has fewer pointers than the number of words in the statement. One possible cause is a missing or invalid statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct any invalid statement terminators and resubmit the retrieval. If this message is produced again, report it to the system programmer.

302 SYNTAX ERROR.

Cause - The statement identifier LIMIT was not followed by the word IF or a field/group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

303 SYNTAX ERROR.

Cause - The word IF was not followed by a field-group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

304 SYNTAX ERROR.

Cause - A field/group name was not followed by a partial field notation, a subroutine specification, the relational operator modifier NOT, a 'between', 'greater than' or 'greater than or equal to' relational operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

305 SYNTAX ERROR.

Cause - The partial field notation was not followed by a subroutine specification, the relational operator modifier NOT, a 'between', 'greater than', or 'greater than or equal to' relational operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

306 SYNTAX ERROR.

Cause - A subroutine specification or subroutine negation (##) was not followed by the relational operator modifier NOT, a 'between', 'greater than' or 'greater than or equal to' relational operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

307 SYNTAX ERROR.

Cause - The relational operator modifier NOT was not followed by a 'between', 'greater than', 'greater than or equal to' relational operator or another NOT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

308 SYNTAX ERROR.

Cause - The between relational operator was not followed by a between data value expression (value-a/value-b), a literal ('literal'), a self-defining term, or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

309 SYNTAX ERROR.

Cause - The 'greater than' relational operator was not followed by a self-defining term, a literal, or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

310 SYNTAX ERROR.

Cause - The 'greater than or equal to' relational operator was not followed by a self-defining term, a literal or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

311 SYNTAX ERROR.

Cause - The subroutine specification was not followed by a self-defining term, a literal or a between data value expression (data1/data2).

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

312 SYNTAX ERROR.

Cause - A 'between' data value expression did not consist of a self-defining term and/or literal configurations.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the error and rerun the job.

313 SYNTAX ERROR.

Cause - A subroutine specification was not followed by a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

314 SYNTAX ERROR.

Cause - A self-defining term used as the first data value in a 'between' data value expression was

not followed by a second data value expressed as a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

315 SYNTAX ERROR.

Cause - A literal used as the first data value in a between expression was not followed by a second data value expressed as a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

316 SYNTAX ERROR.

Cause - The word AND, when used to separate the two data values following the BETWEEN relational operator, was not followed by a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

317 SYNTAX ERROR.

Cause - The word SEARCH was not followed by a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

318 SYNTAX ERROR.

Cause - The self-defining term was not followed by the word STOP or by a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

319 SYNTAX ERROR.

Cause - The literal was not followed by the word STOP or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

320 SYNTAX ERROR.

Cause - The word STOP was not followed by a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

321 SYNTAX ERROR.

Cause - The self-defining term was not followed by the word START or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

322 SYNTAX ERROR.

Cause - The literal was not followed by the word START or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

323 SYNTAX ERROR.

Cause - The word START was not followed by a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

324 SYNTAX ERROR.

Cause - The self-defining term was not followed by the word SEARCH or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

325 SYNTAX ERROR.

Cause - The literal was not followed by the word SEARCH or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

326 SYNTAX ERROR.

Cause - A self-defining term used as the first data value following the BETWEEN relational operator, but not specified as a 'between' data value expression (data1/data2), was not followed by the word AND.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

327 SYNTAX ERROR.

Cause - A literal used as the first data value following the 'between' relational operator, but not specified as a 'between' data value expression (data1/data2), was not followed by the word AND.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

351 INVALID PARTIAL FIELD NOTATION.

Cause - Both values in the partial field notation must be numeric values in the range of 1 to 1000 inclusive.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

352 MORE THAN TWO SUBROUTINES IN CLAUSE.

Cause - A maximum of two subroutine specifications (including negation) are permitted per clause.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

353 INCONSISTENT SUBROUTINE SPECIFICATIONS.

Cause - The subroutine name preceding the relational operator is not the same as the subroutine

name immediately following the relational operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

354 INVALID SELF-DEFINING TERM.

Cause - The term contains an embedded dollar sign, or contains special characters other than the dash.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

356 INVALID LITERAL.

Cause - The term must be enclosed by literal delimiters (quote or dash). If it is used as a stand-alone data value, it must not contain any of the following character combinations embedded in it:

-)	')
-$	'$
-.	'.
-,	',

In addition, it may not contain the following embedded character combinations if it is used as a subfield.

-/	'/

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

361 INVALID NAME.

Cause - The name parameter must not exceed seven characters, must begin with an alphabetic character and contain no special symbols.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

362 LABEL TABLE IS FULL.

Cause - The maximum number of field/group names in the retrieval batch exceeds 400.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names does not exceed 400.

363 SUBROUTINE TABLE IS FULL.

Cause - The maximum number of subroutine names per retrieval exceeds 20.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names per retrieval does not exceed 20.

364 VARIABLE TABLE IS FULL.

Cause - The maximum number of variables in a single retrieval exceeds 255.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the size of the retrieval so that the number of variables does not exceed 255.

372 INCONSISTENT $$ MASK IN OPERAND LIST.

Cause - The $$ mask must be consistent in every data value in the clause.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

381 FIELD NAME NOT IN FFT.

Cause - The field/group name was not found in the FFT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

385 SUBROUTINE NOT LOADABLE.

Cause - The conversion subroutine could not be loaded into core.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure the subroutine is on the library and can fit into the partition size.

386 SUBROUTINE ATTRIBUTES INVALID FOR SPECIFIED FIELD.

Cause - The subroutine output mode must agree with the field mode specified in the FFT and the output length must not exceed the length attribute defined for the field.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Modify the subroutine or define another subroutine, as appropriate. Resubmit the retrieval in another job.

387 SUBROUTINE NOT SUCCESSFULLY EXECUTED.

ERROR CODES

Cause - The subroutine detected a condition which caused it to indicate an unsuccessful return code. In table conversion, the failure to match the argument to a table function will yield such a return.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that all conversion input requirements have been met and the subroutine has been fully tested before inclusion in the system.

389 PARTIAL FIELD NOT ALLOWED WITH BINARY OR COORDINATE.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

393 FFT SPECIFIES NUMERIC FIELD AND OPERAND CONTAINS NONNUMERIC CHARACTERS.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

394 OPERAND LONGER THAN FIELD LENGTH SPECIFIED IN FFT.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

399 FIELD NOT HIGH-ORDER CONTROL FIELD.

Cause - Operands of the LIMIT statement must name the high-order control field or group.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

4.5 36XX Series - KEYWORD Statement

3600 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

3601 SYNTAX ERROR

Cause - Field name not valid for a Keyword Statement.

Action - Check the FFT. Keyword field names must be defined as keyword indexed fields.

This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

3602 SYNTAX ERROR

Cause - Unbalanced parentheses. The number of left parens in keyword statement not equal to the number of right parens.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

3603 SYNTAX ERROR

Cause - Invalid operator for keyword statement.

Action - INCLUDES is only legal operator for a keyword statement. This retrieval is marked as 'not executable'. All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

3604 SYNTAX ERROR

Cause - The data value of the keyword statement was not a self-defining term or literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

4.6 4XX SERIES - IF and FURTHER STATEMENTS

400 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

401 END-OF-PROFILE NOT END-OF-STATEMENT.

Cause - The program constructed Profile Table pointing to each word in the statement has fewer pointers than the number of words in the statement. One possible cause is a missing or invalid statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct any invalid statement terminators and resubmit the retrieval. If

this message is produced again, report it to the system programmer.

402 SYNTAX ERROR.

Cause - The word ANY was not followed by a field/group name, a work area name or the keyword FUNCTION.

Action - This retrieval is marked as 'not executable'. All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

403 SYNTAX ERROR.

Cause - The field/group name was not followed by a relational operator, the relational operator modifier NOT, a partial field notation or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

404 SYNTAX ERROR.

Cause - The partial field notation was not followed by a relational operator (CIR and OVP are not permitted), the relational operator modifier NOT or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

405 SYNTAX ERROR.

Cause - The subroutine specification was not followed by a relational operator (CIR, OVP ABSENT and CONTAINS are not permitted), or the relational operator modifier NOT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

406 SYNTAX ERROR.

Cause - The relational operator modifier NOT was not followed by a relational operator (CIR and OVP are not permitted) or another NOT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

407 SYNTAX ERROR.

Cause - The 'equal to' relational operator was not followed by a data value expressed as a self-defining term, a literal or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

408 SYNTAX ERROR.

Cause - The 'between' relational operator was not followed by a 'between' data value expression (data1/data2), a self-defining term, a literal or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

409 SYNTAX ERROR.

Cause - The CIRCLE relational operator was not followed by a valid 'circle' data value expression (coordinate/radius).

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

410 SYNTAX ERROR.

Cause - The OVERLAP relational operator was not followed by a valid coordinate specification.

Action - This retrieval is marked 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

411 SYNTAX ERROR.

Cause - The self-defining term or literal data value was not followed by a logical connector (AND/OR), another self-defining term, a literal, subroutine specification, right parenthesis, or a period.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

412 SYNTAX ERROR.

Cause - The less than, less than or equal to, greater than, or greater than or equal to relational operator was not followed by a self-defining term, a literal or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

413 SYNTAX ERROR.

Cause - The field/group name used as a data value was not followed by a right parenthesis, a logical connector, or a period.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

414 SYNTAX ERROR.

Cause - The first data value of the 'between' data value expression (data1/data2) did not consist of a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

415 SYNTAX ERROR.

Cause - The word AND was not followed by a field/group name used as a data value.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

416 SYNTAX ERROR.

Cause - The less than, less than or equal to, greater than, or greater than or equal to relational operator was not followed by a self-defining term, a literal, a field/group name used as a data value, work area name or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

417 SYNTAX ERROR.

Cause - The word AND was not followed by a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

418 SYNTAX ERROR.

Cause - The right parenthesis was not followed by another right parenthesis, a logical connector (AND/OR) or a period.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

419 SYNTAX ERROR.

Cause - The work area name was not followed by a relational operator (CIR and OVP are not permitted), the relational operator modifier NOT or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

420 SYNTAX ERROR.

Cause - The statement identifier FURTHER was not followed by AND, OR, IF, a left parenthesis, the word ANY, a field/group name, a work area name or the keyword FUNCTION.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

421 SYNTAX ERROR.

Cause - The word IF, CR, or AND was not followed by a left parenthesis, the word ANY, a field/group name, a work area name or the keyword FUNCTION.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

422 SYNTAX ERROR.

Cause - In the CIRCLE data value expression, the coordinate/ was not followed by a valid radius specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

423 SYNTAX ERROR.

Cause - The CIRCLE data value expression was not followed by a right parenthesis, a logical connector (AND/OR) or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

424 SYNTAX ERROR.

Cause - A coordinate data value was not followed by another coordinate, a right parenthesis, a logical connector or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

425 SYNTAX ERROR.

Cause - The statement identifier IF was not followed by a left parenthesis, the word ANY, a field/group name, a work area name or the keyword FUNCTION.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

426 SYNTAX ERROR.

Cause - The left parenthesis was not followed by another left parenthesis, the word ANY, a field/group name, a work area name or the keyword FUNCTION.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

427 SYNTAX ERROR

Cause - The ABSENT operator was not followed by a logical connector, a right parenthesis, or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

428 SYNTAX ERROR.

Cause - The subroutine specification was not followed by a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

429 SYNTAX ERROR.

Cause - The subroutine specification was not followed by a data value expressed as a self-defining term, a literal, or a 'between' data value expression.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

430 SYNTAX ERROR

Cause - The CONTAINS relational operator was not followed by a self-defining term, a literal, a field group name used as a data value, or a work area name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

432 SYNTAX ERROR.

Cause - The keyword FUNCTION was not followed by a valid subroutine name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job. The FUNCTION subroutine name must not exceed seven characters, must begin with an alphabetic character and contain no special symbols. The name may be enclosed in pound signs, if desired.

433 - SYNTAX ERROR.

Cause - The function operator subroutine name was not followed by a self-defining term, a literal, a field/group name or a work area name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

434 SYNTAX ERROR.

Cause - The function operator parameter was not followed by a self-defining term, a literal, a field/group name, a work area name, a logical connector (AND/OR), a right parenthesis or the statement terminator.

Action - This retrieval is marked 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

435 SYNTAX ERROR.

Cause - The relational operator modifier NOT was not followed by a relational operator (CIR and OVP are permitted) or another NOT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

436 SYNTAX ERROR.

Cause - The 'equal to' relational operator was not followed by a self-defining term, a literal, a field/group name used as a data value, a work area name or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

437 SYNTAX ERROR.

Cause - The BETWEEN relational operator was not followed by a 'between' data value expression (data1/data2), a self-defining term, a literal, a field/group name used as a data value, a work name or a subroutine specification.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

438 SYNTAX ERROR.

Cause - The self-defining term or literal data value was not followed by another self-defining term or literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

439 SYNTAX ERROR.

Cause - The self-defining term or literal was not followed by another self-defining term, literal, logical connector (AND/OR), right parenthesis or statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

440 SYNTAX ERROR.

Cause - The self-defining term or literal was not followed by another self-defining term,

literal, between data value expression (data1/data2), right parenthesis, logical connector or statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

441 SYNTAX ERROR.

Cause - The first data value following the 'between' relational operator was not followed by AND.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

442 SYNTAX ERROR.

Cause - The second work area name following the AND of the between relational operator was not followed by the logical connector (AND/OR), a right parenthesis or the statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

443 SYNTAX ERROR.

Cause - The self-defining term or literal was not followed by a right parenthesis, logical connector or statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

444 SYNTAX ERROR.

Cause - The field/group name used as a data value was not followed by another field/group name used as a data value.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

445 SYNTAX ERROR.

Cause - The first work area name following the between relational operator was not followed by the word AND.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

446 SYNTAX ERROR.

Cause - The first data value of the between data value expression did not consist of a self-defining term, a literal, a field/group name or a work area name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

447 SYNTAX ERROR.

Cause - The second work area name of a between data value expression was not followed by a logical connector (AND/OR), a right parenthesis or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

448 SYNTAX ERROR.

Cause - The first work area name of a between data value expression was not followed by a second work area name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

449 SYNTAX ERROR.

Cause - A second work area name did not follow the AND in a between expression.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

450 NESTED PARENTHETICAL EXPRESSIONS EXCEED MAXIMUM LEVEL OF EIGHT.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

451 INVALID PARTIAL FIELD NOTATION.

Cause - Both values in the partial field notation must be numeric values in the range of 1 to 1000 inclusive.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

452 MORE THAN TWO SUBROUTINES IN CLAUSE.

Cause - A maximum of two subroutine specifications (including negation) are permitted per clause.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

453 INCONSISTENT SUBROUTINE SPECIFICATION.

Cause - The subroutine name preceding the relational operator is not the same as the subroutine name immediately following the relational operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

454 INVALID SELF-DEFINING TERM.

Cause - The term contains an embedded dollar sign, all dollar signs with no data value, a dollar sign with the relational operator CONTAINS, or special characters other than the dash.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

455 EXCESSIVE RIGHT PARENTHESES.

Cause - The number of right parentheses at this point in the statement exceeds the number of left parentheses.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

456 INVALID LITERAL.

Cause - The term must be enclosed by literal delimiters (quote or dash). If it is used as a stand-alone data value, it must not contain any of the following character combinations embedded in it:

-)	')
-b	'b
-.	'.
-,	',

In addition, it may not contain the following embedded character combination if it is used as a subfield:

-/	'/

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

458 INVALID COORDINATE.

Cause - The coordinate has a nonnumeric value in degrees, minutes or seconds.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

459 DEGREE SUBFIELD INVALID.

Cause - The coordinate does not fall within the range of 0 to 90 degrees latitude or 0 to 180 degrees longitude.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

460 INVALID RADIUS.

Cause - The radius is nonnumeric or is greater than 10,800 nautical miles.

Action - Correct the parameter in error and submit the retrieval in another job.

461 INVALID NAME.

Cause - The name parameter must not exceed seven characters, must begin with an alphabetic character, and contain no special symbols.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

462 LABEL TABLE IS FULL.

Cause - The maximum number of field/group names in the retrieval batch exceeds 400.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names does not exceed 400.

463 SUBROUTINE TABLE IS FULL.

Cause - The maximum number of subroutine names per retrieval exceeds 20.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names per retrieval does not exceed 20.

464 VARIABLE TABLE IS FULL.

Cause - The maximum number of variables in a single retrieval exceeds 255.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the size of each retrieval so that the number of variables does not exceed 255.

465 INVALID FUNCTION SUBROUTINE NAME.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job. The FUNCTION subroutine name must not exceed seven characters, must begin with an alphabetic character, and contain no special characters. The name may be enclosed in pound signs, if desired.

470 IRRECOVERABLE ERROR IN SYNTAX OF STATEMENT.

Cause - The edit is unable to identify the current word or to identify the next clause.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

471 TOO MANY LEFT PARENTHESES.

Cause - The count of the number of left parentheses is greater than count of the number of right parentheses at the end of the statement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

472 INCONSISTENT $$ MASK IN OPERAND LIST.

Cause - The $$ mask must be consistent in every data value in the clause.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

473 BINARY OR COORD FIELD NOT VALID WITH CONTAINS OPERATOR

Cause - The referenced field is either binary or coordinate mode and is not allowed with the CONTAINS operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the field in error and submit the retrieval in another job.

474 FIXED FIELD NOT VALID WITH ABSENT OPERATOR.

Cause - The referenced field is from the fixed set. only fields from periodic or variable sets are valid with the ABSENT operator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the term in error and submit the retrieval in another job.

475 INVALID COORDINATE OVERLAP ATTEMPTED

Cause - OVERLAP has been used in referencing a coordinate group containing less than two or more than eight coordinate points.

Action - Adjust the clause so that OVERLAP references a group that contains two to eight coordinate

points. If a geographic search around only one point is desired, use the CIRCLE search.

481 FIELD NAME NOT IN FFT.

Cause - The field/group name was not defined in the FFT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

482 OPERAND LIST EXCEEDS MAX NUMBER BYTES ALLOWED.

Cause - A maximum of 927 bytes is permitted in an operand list.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

483 OPERAND COMPOSITION IS INCONSISTENT WITH SUBROUTINE INPUT REQUIREMENTS.

Cause - The type and length of a subroutine input does not agree with one or more of the attributes expected by the subroutine.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

484 SUBROUTINE OUTPUT TYPE IS INCONSISTENT WITH FIELD TYPE DEFINED BY FFT.

Cause - The subroutine output mode (alphabetic, binary, coordinate, or decimal) does not match the output mode specified in the FFT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Define an alternate subroutine or modify the subroutine, as appropriate. Resubmit the retrieval.

485 SUBROUTINE CONVERSION ERROR.

Cause - The conversion subroutine could not be loaded for processing.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Make sure the subroutine is on the library.

486 SUBROUTINE ATTRIBUTES INVALID FOR SPECIFIED FIELD.

Cause - The subroutine output mode must agree with the field mode and the output length must not exceed the length defined for the field.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Modify the subroutine or define another subroutine, as appropriate. Resubmit the retrieval in another job.

487 SUBROUTINE NOT SUCCESSFULLY EXECUTED.

Cause - The subroutine detected a condition which caused it to indicate an unsuccessful return code. In table conversion, the failure to match the argument to the table function will yield such a return.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that all conversion input requirements have been met and the subroutine has been fully tested before inclusion in the system.

488 PARTIAL FIELD NOTATION SPECIFIES POSITIONS OUTSIDE OF FIELD AS DEFINED IN FRT.

Cause - The high- and/or low-order positions specified in the partial field parameter exceeds the number of positions specified in the FFT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

490 FIELD, OPERAND OR OPERATOR IS INCONSISTENT WITH COORDINATE NOTATION.

Cause - The field whose name is used as an operand is not defined in coordinate mode or the field is not defined in coordinate mode, or the relational operator used may not be used with coordinate mode fields.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

491 FIELD NAME USED AS AN OPERAND IS NOT IN FFT.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

492 FIELD WHOSE NAME IS USED AS AN OPERAND IS INCONSISTENT WITH FIELD NAME.

Cause - The attributes of the field used as an operand are incompatible with the mode of length attributes of the field or group name specified.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

493 FFT SPECIFIES NUMERIC FIELD AND OPERAND CONTAINS NONNUMERIC CHARACTERS.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

494 OPERAND LONGER THAN FIELD LENGTH SPECIFIED IN FFT.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' Correct the parameter in error and submit the retrieval in another job.

495 INVALID FIELD TO FIELD COORDINATE COMPARE.

Cause - The FFT defined the field to be of coordinate mode. A field/group name used as a data value was not coordinate mode.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

496 USER SUBROUTINE NOT AVAILABLE.

Cause - The function operator subroutine was not found on the library.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that the function subroutine is on the library and submit the retrieval in another job.

497 FUNCTION PARAMETERS REFERENCE DIFFERENT PERIODIC SETS.

Cause - All field/group names used as function parameters must reference the fixed set, the same periodic set or the fixed and one periodic set.

Action - This retrieval is marked as 'not executable'. All remaining statements in the retrieval are edited. Correct the parameters in error and submit the retrieval in another job.

4.7 5XX Series - Library Actions

500 RASP LIBRARY ACTION COMPLETE.

Cause - Self-explanatory advisory message.

Action - None.

501 XXXXXXXX MODULE COPIED.

Cause - The load module named XXXXXXXX has been successfully copied from the temporary library to the user's permanent library.

Action - None.

502 XXXXXXXX MODUIE NOT COPIED, I/O ERROR, RETURN CODE = NNNN.

Cause - The load module named XXXXXXXX, has not been copied from the temporary library to the user's permanent library for the following reason:

Return Code	Reason
0004	The directory of the library already contains the specified name.
0012	No space left in the directory of the library.

0016	A permanent input or output error was detected when attempting to update the directory.

Action - Correct problem and rerun job.

503 INTERNAL NOTE LIST, CANNOT COPY.

Cause - An internal note list was incorrectly built.

Action - Turn in a DCR to system programmer.

504 XXXXXXXX MODULE ALREADY EXISTS - BAD ADD.

Cause - ADD was specified on the TITLE statement and the module is already on the library.

Action - The load module, named XXXXXXXX, is not added to the user's permanent library; however, it is executed if the NOGO option was not specified on the TITLE statement. If you want to add this module under this name you must specify REPLACE followed by this name on the TITLE statement.

505 XXXXXXXX MODULE DELETED.

Cause - Self-explanatory.

Action - None.

506 PERMANENT I/O ERROR DURING DELETE, RETURN CODE = NNNN.

Cause - A request to delete a load module from the user's permanent library could not be filled for the following reason:

Return Code	Reason
0004	The internal list of delete names was incorrectly set up.

0008 — A permanent I/O error was detected when attempting to search the directory.

Action - If the RETURN CODE = 0004, turn in a DCR to the system programmer. If the RETURN CODE = 0008, scratch the library and recreate it.

507 XXXXXXXX MODULES NOT ALL FOUND FOR ADD.

Cause - Not all necessary modules for a retrieval can be found to be added. This usually results from an unsuccessful compilation.

Action - The ADD request is skipped for this module. Turn in a DCR to system programmer.

508 PERMANENT I/O ERROR - BLDL, RUN STOPPED.

Cause - A permanent I/O error was detected when attempting to search the user's permanent library directory.

Action - Scratch the library and recreate it.

509 CANNOT LOCATE RETRIEVAL LIBRARY - NO UPDATE.

Cause - The user did not specify a valid library name (one not beginning with "DUMMY.") or the library disposition was SHARE.

Action - In the first case, specify LIB= a valid NIPS library name on your execute card. In the second case, specify LIBDISP=OLD on your execute card if you wish to do any library actions.

510 XXXXXXXX MODULES NOT ALL FOUND FOR DELETION.

Cause - Not all necessary modules for a retrieval can be found to be deleted. There are no modules for one of the retrieval names on the library.

Action - The DELETE request is skipped for this retrieval. Correct the error and resubmit the job.

511 CANNOT LOCATE LIBRARY ACTION RECORDS; NO UPDATE, RETURN CODE = NNNN.

Cause - The Library Action Communication records could not be found for the following reason:

Return Code	Reason
0004	The Library Action records were not properly placed on the library specified by the DD card RSIPDS.
0008	A permanent I/O error was detected during a search of the directory of the above-mentioned library.

Action - If the RETURN CODE = 0004, turn in a DCR to the system programmer. If the RETURN CODE = 0008, rerun the job.

512 NAMES ENDING WITH ZERO NOT ALLOWED - ADD OR REPLACE LIBRARY ACTION NOT PERFORMED FOR THESE QUERIES.

Cause - RASP pads user's retrieval names with zeros to a length of seven. Therefore, as an example, user's retrieval names QUERY and QUERY0, after padding, would become QUERY00 and QUERY00 which are then duplicate names.

Action - Change the retrieval name. If you had such names stored before this restriction was imposed, they should be renamed to avoid future problems.

AD-A063 325 COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON D C F/G 9/2
NMCS INFORMATION PROCESSING SYSTEM 360 FORMATTED FILE SYSTEM (N--ETC(U)
SEP 78

UNCLASSIFIED CCTC-CSM-UM-15-78-VOL-9 SBIE-AD-E100 134 NL

3 OF 5
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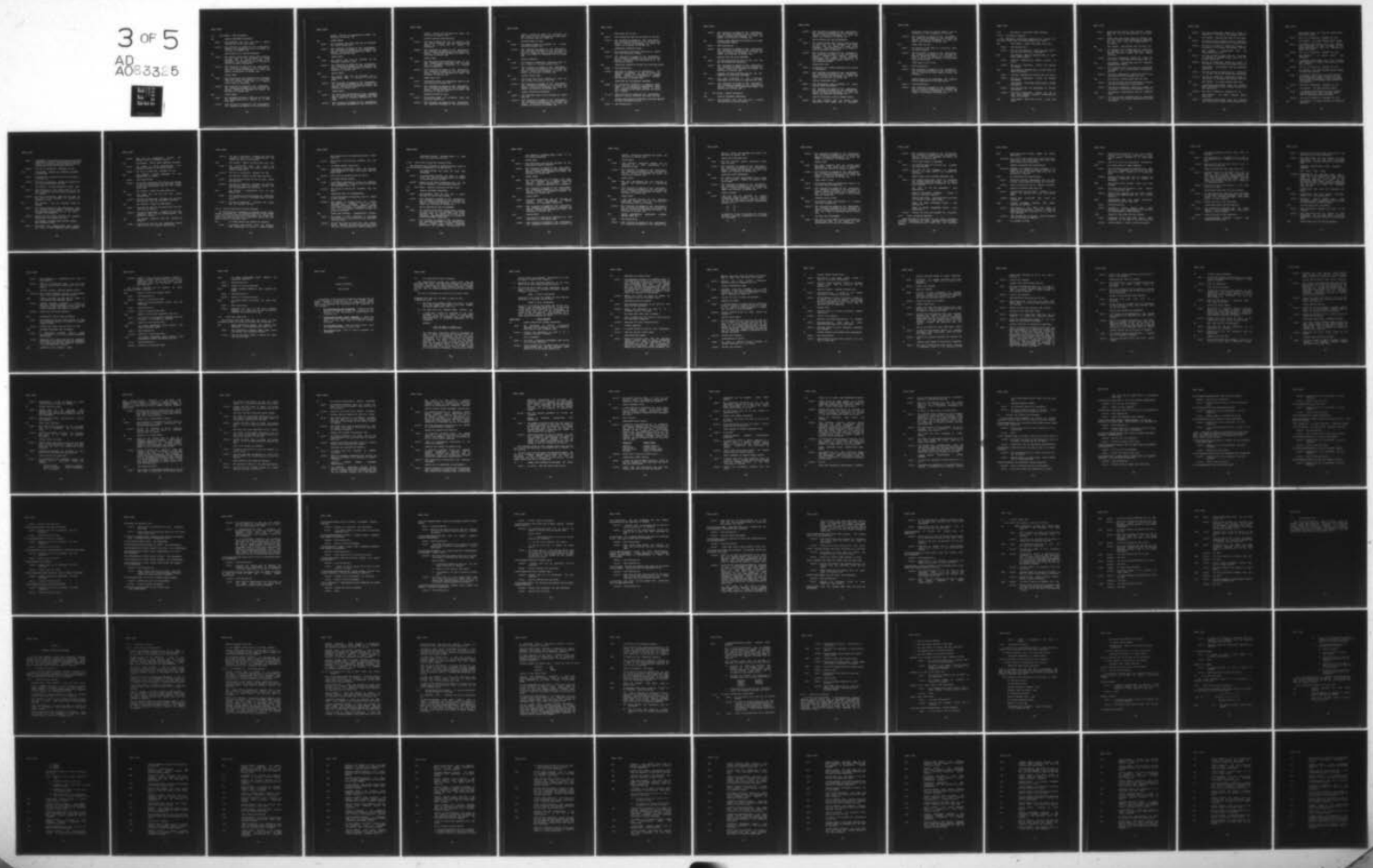
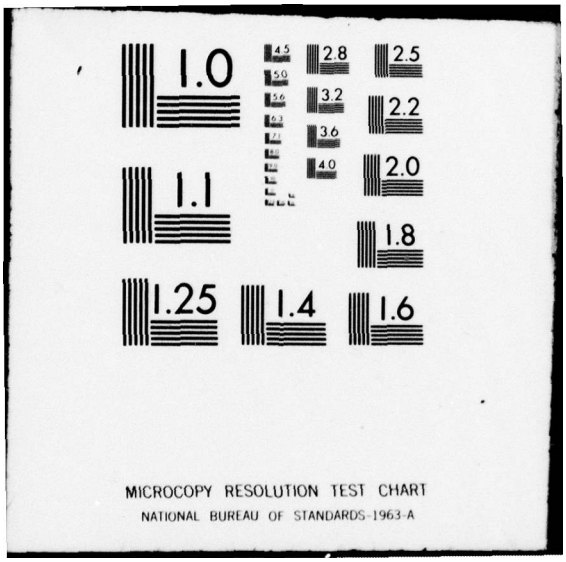
A063325




1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

4.8 6XX Series - SORT Statements

600 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' Correct the parameter in error and submit the retrieval in another job.

601 END-OF-PROFILE NOT END-OF-STATEMENT.

Cause - The program constructed Profile Table pointing to each word in the statement has fewer pointers than the number of words in the statement. One possible cause is a missing or invalid statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

602 SYNTAX ERROR.

Cause - The RIT name was not followed by the statement identifier SORT, SORTn where n is a digit from 1 to 9 or SORT/nnn where nnn is a numeric action code, or SORTn/nnn.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

603 SYNTAX ERROR.

Cause - The statement identifier SORT was not followed by a field/group name, a literal or a work area name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

604 SYNTAX ERROR.

Cause - The statement identifier SORT was not followed by a valid action code.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

605 SYNTAX ERROR.

Cause - The action code was not preceded by the statement identifier SORT.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

606 SYNTAX ERROR.

Cause - The action code was not followed by a field/group name, a literal or a work area name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

607 SYNTAX ERROR.

Cause - The first word configuration of the statement was not recognized as the statement identifier SORT, SORTn or SORT/nnn, SORTn/nnn or a RIT name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

651 INVALID PARTIAL FIELD NOTATION.

Cause - The first subfield must not be greater than the second subfield and both fields must be numeric in a range not to exceed 210 characters.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

661 INVALID NAME.

Cause - The field/group name, subroutine name or RIT name exceeds seven characters, does not begin with an alphabetic character, or contains special characters.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

662 LABEL TABLE FULL.

Cause - The maximum number of field/group names in the retrieval batch exceeds 400.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

663 SUBROUTINE TABLE IS FULL.

Cause - The maximum number of subroutine names per retrieval exceeds 20.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Reduce the number of retrievals in each batch so that the number of unique names per retrieval does not exceed 20.

664 VARIABLE TABLE IS FULL.

Cause - The maximum number of variables in a single retrieval exceeds 255.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the size of each retrieval so that the number of variables does not exceed 255.

665 INVALID SUBFIELD.

Cause - The character immediately following SORT is not a slash or a number between 1 and 9.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

667 INVALID ACTION CODE.

Cause - The action code is not numeric or does not fall within the range of 0 to 255.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

668 INVALID SUBROUTINE DELIMITER.

Cause - The subroutine name is not followed by a pound sign (#).

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

681 FIELD NAME NOT IN FFT.

Cause - The field/group name was not found in the FFT.

Action - The retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

685 SUBROUTINE CONVERSION ERROR.

Cause - The conversion subroutine could not be loaded from the subroutine library.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Ensure that the subroutine is on the subroutine library.

686 SUBROUTINE ATTRIBUTES INVALID FOR SPECIFIED FIELD.

Cause - Self-explanatory.

Action - Retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Modify the subroutine or define another subroutine, as appropriate. Resubmit the retrieval in another job.

687 SUBROUTINE NOT SUCCESSFULLY EXECUTED.

Cause - The subroutine detected a condition which caused it to indicate an unsuccessful return code. In table conversion, failure to match the argument to the table function will yield such a return.

Action - This retrieval is marked as 'not executable.' Modify or correct situation and rerun the job.

688 PARTIAL FIELD NOTATION SPECIFIED POSITIONS OUTSIDE OF FIELD AS DEFINED IN FFT.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

689 PARTIAL FIELD NOTATION NOT ALLOWED WITH BINARY OR COORDINATE FIELDS.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

695 MAXIMUM SORT KEY LIMIT EXCEEDED.

Cause - The user-designated portion of the sort key may not exceed 210 characters.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

696 PERIODIC SET SORT SPECIFIED BUT SET NOT REFERENCED IN CONDITIONAL STATEMENT.

Cause - Only sets referenced in the conditional statements may be used in a periodic set sort.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

4.9 7XX Series - SELECT Statements

700 INVALID STATEMENT TERMINATOR.

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

701 END-OF-PROFILE NOT END-OF-STATEMENT.

Cause - The program constructed Profile Table pointing to each word in the statement has fewer pointers than the number of words in the statement. One possible cause is a missing or invalid statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct any invalid statement terminators and resubmit the retrieval. If this message is produced again, report it to the system programmer.

750 OPERAND TOO LONG.

Cause - A parameter in a SELECT operand may not exceed 10 characters.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

751 INVALID FIELD/GROUP NAME.

Cause - The field/group name preceding /F option exceeds seven characters.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

761 INVALID FIELD/GROUP NAME OR SELECT OPTION.

Cause - The name subfield must not exceed seven characters, must begin with an alphabetic

character, contain no special symbols and be followed by a field separator, /F or /WF.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

762 LABEL TABLE IS FULL.

Cause - The maximum of 400 names in a retrieval batch has been exceeded.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names does not exceed 400.

781 FIELD NAME IS NOT IN FFT.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the field name and rerun the retrieval.

797 SELECT MODE/F OR /WF SPECIFIED. THE SELECTED SET NOT REFERENCED IN THE CONDITIONAL.

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

4.10 8XX Series - Retrieval Proper Messages

4.10.1 Termination Messages

The following termination messages are printed for Retrieval Proper when an unrecoverable error occurs.

800 RUN STOPPED - CANNOT FIND INPUT DATA FILE.

Cause - Self-explanatory.

Action - The job is terminated. Check the data file DD card and the data set it designates.

801 RUN STOPPED - ERROR IN EXECUTE COMM. OR LIMIT COMM. RECORD FORMAT.

Cause - Internal communication records contain an error.

Action - The job is terminated. Notify the systems programmer.

802 RUN STOPPED - EXECUTE COMM. OR LIMIT COMM. NOT FOUND IN LIBRARY.

Cause - Internal communication records were not found.

Action - The job is terminated. Notify the systems programmer.

803 RUN STOPPED - FILE NAMES DIFFER AMONG BATCHED RETRIEVALS.

Cause - Only one file may be referenced in batched retrievals.

Action - The job is terminated. Correct the job so that each batched retrieval references the same, and resubmit.

804 RUN STOPPED - INPUT FILE IS NOT A NIPS DATA FILE.

Cause - Classification and/or File Control records were not found at the beginning of the input file.

Action - Verify that the correct tape is mounted and that the correct label processing is indicated in the JCL (for the //RASP.SAMFILE DD statement).

805 RUN STOPPED - INSUFFICIENT CORE FOR BLDL LIST.

Cause - The available main storage was not sufficient to contain all of the information from the SYSLMOD directory needed for load module location.

Action - The job is terminated. Reduce the number of retrievals in the batch and resubmit the job.

806 RUN STOPPED - INSUFFICIENT CORE FOR EXECUTION COMMUNICATION RECORD.

Cause - The available main storage was not sufficient to contain one of the internal communication records.

Action - The job is terminated. Reduce the size of the retrieval batch and resubmit the job.

807 RUN STOPPED - INSUFFICIENT CORE FOR LOAD.

Cause - The main storage was not sufficient to contain all of the retrievals to be executed.

Action - The job is terminated. Reduce the number of retrievals in the batch and resubmit the job.

808 RUN STOPPED - INSUFFICIENT CORE FOR RETRIEVAL LIST.

Cause - The main storage available was not sufficient to contain the control table needed for each retrieval.

Action - The job is terminated. Reduce the number of retrievals in the batch and resubmit the job.

809 RUN STOPPED - INSUFFICIENT CORE FOR SET TABLE.

Cause - The main storage available was not sufficient to contain the Set Table for the desired file.

Action - The job is terminated. Reduce the number of retrievals in the batch and resubmit the job.

810 RUN STOPPED - INSUFFICIENT CORE FOR STASH/SUBROUTINE AREA.

Cause - The main storage available was not sufficient to contain a minimum stash area and the largest subroutine.

Action - The job is terminated. Reduce the number of retrievals in the batch and resubmit the job.

811 RUN STOPPED - INSUFFICIENT CORE FOR SUBROUTINE CHECKLIST.

Cause - The main storage available was not sufficient to contain all of the subroutine attributes.

Action - The job is terminated. Reduce the number of retrievals in the batch and resubmit the job.

812 RUN STOPPED - I/O ERROR READING INPUT FILE.

Cause - A permanent input/output error was detected when attempting to read a nondata record from the input file.

Action - The job is terminated. Resubmit the job.

813 RUN STOPPED - I/O ERROR READING RSIPDS DIRECTORY.

Cause - A permanent input/output error was detected when attempting to search the directory of the

partitioned data set used for communication among RASP phases.

Action - The job is terminated. Resubmit the job.

814 RUN STOPPED - I/O ERROR READING RSIPDS MEMBER.

Cause - A permanent input/output error was detected when attempting to read a member of the partitioned data set used for communication among RASP phases.

Action - The job is terminated. Resubmit the job.

815 RUN STOPPED - I/O ERROR READING SLIB DIRECTORY.

Cause - A permanent input/output error was detected when attempting to search the directory of the File Library.

Action - The job is terminated. Resubmit the job.

816 RUN STOPPED - I/O ERROR READING SYSLMOD MEMBER OR EARLY END-OF-FILE.

Cause - A permanent input/output error was detected when attempting to read in either the load or the source statements, or else a premature end-of-file was encountered when reading the load modules.

Action - The job is terminated. Resubmit the job.

817 RUN STOPPED - I/O ERROR WRITING QDFILE.

Cause - A permanent input/output error was detected when attempting to write a nondata record onto the Qualifying Data File (QDF).

Action - The job is terminated. Resubmit the job.

818 RUN STOPPED - I/O ERROR WRITING QRT (SORTIN OR SORTOUT).

Cause - A permanent input/output error was detected when attempting to write a File Information Pointer record or a Retrieval Equation record onto the Qualifying Record Table (QRT) data set.

Action - The job is terminated. Resubmit the job.

819 RUN STOPPED - MERGED FILE RETRIEVAL INCLUDED IN BATCH RUN.

Cause - A merged-file retrieval may not be included in a batched run.

Action - The job is terminated. Remove the merged-file retrieval and resubmit the job.

820 RUN STOPPED - NO DATA RECORDS ON INPUT FILE.

Cause - Self-explanatory. This would occur if an FFT were processed before the file generation run for example.

Action - The job is terminated. Make sure the name of the file to be processed is correct and resubmit the job.

821 RUN STOPPED - NOT ALL SUB/TABS FOUND ON LIBRARY.

Cause - The system supplied or user subroutines could not be found on the library. Items not found are listed on previous lines in the form - 'MISSING FROM LIBRARY-'.

Action - Ensure that the library contains the required subroutines and resubmit the job.

822 RUN STOPPED - PRIMARY LIMIT DID NOT OVERLAP SOME SECONDARY LIMIT.

Cause - The scope of the PRIMARY LIMIT must overlap the range of each SECONDARY LIMIT Statement.

Action - The job is terminated. Correct the PRIMARY LIMIT and resubmit the job.

823 RUN STOPPED - RECORD ERROR THRESHOLD EXCEEDED.

Cause - The number of record qualification error messages exceeds the threshold allowed.

Action - The job is terminated. Resubmit the job.

824 RUN STOPPED - SOURCE STATEMENTS OR LOAD MODULES NOT ON LIBRARY.

Cause - Self-explanatory.

Action - The library used does not contain load modules or source statement for this retrieval. Check to see that the modules are on the Library being used.

825 RUN STOPPED - UNABLE TO OPEN INPUT FILE.

Cause - The input data set has not been opened successfully.

Action - The job is terminated. Resubmit the job after ascertaining that the file name is correct.

826 RUN STOPPED - UNABLE TO OPEN QDFILE.

Cause - The data set used for the Qualifying Data File could not be opened.

Action - The job is terminated. Resubmit the job after verifying that the DD specifications for QDFILE are correct.

827 RUN STOPPED - UNABLE TO OPEN QRT (SORTIN OR SORTOUT).

Cause - The data set used for the Qualifying Record Table could not be opened successfully.

Action - The job is terminated. Resubmit the job after verifying that the DD specifications for SORTIN and SORTOUT are correct.

828 RUN STOPPED - UNABLE TO OPEN RSIPDS DATA SET.

Cause - The partitioned data set used for communication among RASP phases could not be opened successfully.

Action - The job is terminated. Resubmit the job.

829 RUN STOPPED - UNABLE TO OPEN SLIB DATA SET.

Cause - The File Library data set has not been opened successfully.

Action - The job is terminated. Resubmit the job after ascertaining that the library is present and the SLIB parameters are correct.

830 RUN STOPPED - INSUFFICIENT CORE FOR FILE DDNAME LIST.

Cause - The available main storage was not sufficient to contain the list of DDNAMES used for input files.

Action - The job is terminated. Increase the region size and resubmit the job.

4.10.2 Record Qualification Error Messages

The following error messages are produced during actual record qualification. All messages begin *** RECORD XXXXXX - with the first 20 characters of the Record ID filled in. They do not cause the run to be terminated, unless the total number exceeds a threshold value.

850 I/O ERROR WRITING QRT (SORTIN OR SORTOUT).

Cause - A permanent input/output error was detected when attempting to write a RASP/OP Answer

Entry Record onto the Qualifying Record Table data set.

Action - The record is written and accepted with the error.

851 I/O ERROR READING INPUT FILE.

Cause - A permanent input/output error was detected when attempting to read a data record from the input file.

Action - The record is accepted with the error.

852 I/O ERROR WRITING QDFILE.

Cause - A permanent input/output error was detected when attempting to write a data record onto the Qualifying Data File.

Action - The record is written and accepted with the error.

853 SUBROUTINE ERROR IN INTERROGATION.

Cause - Some interrogation subroutine, such as CIRCLE or OVP, failed.

Action - The subset is dropped from all further qualification. However, the run will continue, minus this subset, leading perhaps to erroneous results. If necessary, rerun the job. If the problem persists, consult the systems programmer.

854 STASH AREA OVERFLOW - INTERROGATION STOPPED.

Cause - The amount of data necessary to determine qualification of this logical block overflowed the stack area.

Action - No more data will be saved for this logical block. However, the run will continue, minus the rest of the stash data, leading perhaps to

erroneous results. Increase region or stash area size and rerun the job.

4.10.3 End-of-Job Information Message Errors

The following error message is produced during output of the statistical information at the end of job.

890 I/O ERROR READING QRT DSCB, NO TRACK INFO AVAILABLE.

Cause - An unsuccessful attempt was made to obtain (from the Data Set Control Block) the number of tracks used for the QRT.

Action - Output of the track information line for the QRT is bypassed. Job continues normally.

4.11 9XX Series - Keyword Statements and Edit Flag

900 INVALID STATEMENT TERMINATOR

Cause - The statement does not end with a period followed by one or more blanks.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

901 END OF PROFILE NOT END OF STATEMENT

Cause - The program constructed profile table pointing to each word in the statement has fewer pointers than the number of words in the statement. One possible cause is a missing or invalid statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct any invalid statement terminators and resubmit the retrieval. If

this message is produced again, report it to the system programmer.

903 SYNTAX ERROR

Cause - The field/group name was not followed by the relational operator INCLUDES.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

911 SYNTAX ERROR

Cause - The self-defining term or literal data value was not followed by a logical connector (AND/OR), another self-defining term or literal, a right parenthesis, or a terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

918 SYNTAX ERROR

Cause - The right parenthesis was not followed by another right parenthesis, a logical connector, or a statement terminator.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

921 SYNTAX ERROR

Cause - The word OR or AND was not followed by a left parenthesis a field/group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

925 SYNTAX ERROR

Cause - The statement identifier KEYWORD was not followed by a left parenthesis or a field/group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

926 SYNTAX ERROR

Cause - The left parenthesis was not followed by another left parenthesis or a field/group name.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

930 SYNTAX ERROR

Cause - The INCLUDES keyword and the following relational operator were not followed by a self-defining term or a literal.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

950 NESTED PARENTHETICAL EXPRESSIONS EXCEEDED MAXIMUM LEVEL OF 8

Cause - Self-explanatory.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are

edited. Correct the statement and submit the retrieval in another job.

954 INVALID SELF-DEFINING TERM

Cause - The term contains special characters other than the dash.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

955 EXCESSIVE RIGHT PARENTHESES

Cause - The number of right parentheses at this point in the statement exceeds the number of left parentheses.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

956 INVALID LITERAL

Cause - The term must be enclosed by literal delimeters (quote or dash). If it is used as a stand-alone data value, it must not contain any of the following character combinations embedded in it:

-) ')
-* '*
-. '.
-, ',

In addition, it may not contain the following embedded character combination if it is used as a subfield:

-/ '/

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

961 INVALID NAME

Cause - The name parameter must not exceed seven characters, must begin with an alphabetic character and contain no special symbols.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the parameter in error and submit the retrieval in another job.

962 LABEL TABLE IS FULL

Cause - The maximum number of field/group names in the retrieval batch exceeds 400.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the number of retrievals in each batch so that the number of unique names does not exceed 400.

964 VARIABLE TABLE IS FULL

Cause - The maximum number of variables in a single retrieval exceeds 255.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Reduce the size of the retrieval so that the number of variables does not exceed 255.

971 TOO MANY LEFT PARENTHESES

Cause - The count of the number of left parentheses is greater than count of the number of right parentheses at the end of the statement.

Action - This retrieval is marked as 'not executable.' All remaining statements in the retrieval are edited. Correct the statement and submit the retrieval in another job.

999 TEN OR MORE ERRORS IN STATEMENT.

Cause - The maximum number of 10 errors per statement has been reached.

Action - The rest of the statement is bypassed. Correct all known errors and resubmit the retrieval.

1001 ERRORS FOUND IN THE SYSDATS PARAMETER LIST.

Cause - One or more errors were found in processing the SYSDATS parameter string. One or more of the following messages accompanies the above error message:

TOO MANY OR TOO FEW PARAMETERS - Self explanatory.

ERROR IN RELATIONAL OPERATOR - Illegal or unknown relational operator.

INVALID FILE FIELD - Specified file field does not conform to date field rules.

ERROR IN FIRST ADJUSTMENT FACTOR - Self explanatory.

ERROR IN SECOND ADJUSTMENT FACTOR - Self explanatory.

Action - Correct the error and resubmit the retrieval.

4.12 Index Processing Messages

These messages are generated by the Index Processing function, regardless of which component - RASP or QUIP - calls it. Any differences are noted with the individual message.

3500 INDEX USAGE NOT FEASIBLE. SEARCH THE ENTIRE DATA FILE.

Advisory- One or more error conditions (described below) occurred, or the query logic was such that index usage was not possible.

3501 NNNNNNN CANDIDATES FOR QUALIFICATION.

Advisory- NNNNNNN is the number of data records to be examined in detail by Retrieval Proper. All other records in the data file will not be accessed or examined.

3502 NO CANDIDATES FOR QUALIFICATION.

Cause - Secondary Indexing determined that no data records could possibly satisfy the retrieval.

Action - Normal termination with no QRT/QDF produced.

3503 UNABLE TO ALLOCATE WORK DATA SET.

Cause - Insufficient disk work area. Default is to search the entire data file (file-access mode).

Action - Ensure that sufficient work packs are available.

3504 INVALID SECONDARY INDEXING PARM ENTRY. ASSUMING NO OVERRIDE.

Cause - The entry on the EXEC card must be PARM='INDEX=condition'. Refer to Volume IV, Retrieval and Sort Processor, for a list of valid entries.

Action - PARM information is ignored. Index Processing will be utilized if possible.

3505 NO -XINDEX- DD CARD.

Cause - Index Processing expects a DD card labeled "XINDEX" to define the Index Data Set. This was not present. Default is to file-access mode.

Action - Add the DD card with appropriate information.

3506 NO CATALOG DATA FOR INDEX XXXXXXXX.

Cause - The Job Control Language indicated that Index Data Set "XXXXXXXX" was cataloged, but such was not the case. Default is to file-access mode.

Action - Catalog the Index Data Set, or supply the necessary information via the "XINDEX" DD statement.

3507 ONLY DIRECT ACCESS RESIDENT INDEX DATA SETS ALLOWED.

Cause - The Index Data Set resides on tape. Default is to file-access mode.

Action - Transfer the Index Data Set to a direct access device using UTNDXTFR (ref. Vol VII, Utility Support).

3508 INSUFFICIENT CORE FOR INDEX PROCESSING. SEARCHING THE ENTIRE DATA FILE.

Cause - Self-explanatory.

Action - Allocate a larger region size. Index Processing needs approximately 12K more than the requirements of RASP and QUIP.

3509 UNABLE TO OPEN INDEX DATA SET XXXXXXX

Cause - Erroneous return from OPEN macro, where "XXXXXXX" is the name of the Index Data Set.

Action - Program ABENDs. Consult system programmer.

3510 I/O ERROR ATTEMPTING TO READ INDEX DATA SET XXXXXXXX.

Cause - Self-explanatory. "XXXXXXXX" is the name of the Index Data Set. Default is to file-access mode.

Action - Restore Index Data Set from backup prior to next RASP or QUIP run.

3511 INDEX DATE/TIME DOES NOT MATCH DATA FILE.

Cause - Incorrect version of the Index Data Set was mounted. When the data file is updated, the Index Data Set is updated automatically, and the date/time entries are adjusted to reflect this. This ensures that the Index Data Set information matches the data file. Default is to file-access mode.

Action - Ensure that the latest version of the Index Data Set is used.

3512 INSUFFICIENT WORK AREA FOR LIST BUILDING.

Cause - Too many relational operators other than EQUAL or NOT EQUAL (or valid synonyms) were used. Default is to file-access mode. (This should rarely, if ever, happen.)

Action - Reduce the size of the retrievals.

3513 INSUFFICIENT WORK AREA FOR ANALYSIS.

Cause - The retrievals submitted are too large. Default is to file-access mode. (This should rarely, if ever, happen.)

Action - Reduce the size of the retrievals.

3514 CIR/OVP OPERATOR DIRECTED AGAINST NON-COORDINATE INDEX DATA.

Cause - The mode of the index field as carried in the Index Data Set is not coordinate.

Action - This index field will be ignored by Index Processing. If no other index fields are encountered, retrieval defaults to file-access mode.

3515 CANDIDATE QUALIFICATION BASIS RETRIEVAL - RRRRRRRR.

CON FIELD OPER VALUE.

Advisory- "RRRRRRRR" is the retrieval name. CON is either AND or OR (blank for the first clause). FIELD is the field name; OPER is the relational operator; and VALUE is the unconverted data value. This is printed for the clause(s) that Index Processing determines may be used as basis for candidate qualification.

3516 INSUFFICIENT WORK AREA FOR CANDIDATE LIST MERGE.

Cause - Insufficient free core storage available. Default is to file-access mode.

Action - Allocate a larger region size. Index Processing needs approximately 12K more than the requirements of RASP and QUIP.

3517 SUB/TAB subname NOT ON LIBRARY.

Cause - Self-explanatory; Subname is the name of the routine.

Action - This index field will be ignored by Index Processing. If no other index fields are encountered, retrieval defaults to file-access mode.

3518 INSUFFICIENT CORE FOR SUB/TAB XXXXXXXX.

Cause - Self-explanatory. "XXXXXXXX" is the name of the SUB/TAB.

Action - Default to file-access mode. For the next run, the user should allocate more core to his region.

3519 SUB/TAB -Subname- EXECUTED UNSUCCESSFULLY.

Advisory- The SUB/TAB "Subname" returned an unsuccessful code. The erroneous value is ignored.

3520 SUB/TAB -Subname- REL OPER MUST BE -EQUAL- or -NOT EQUAL- WITH MULTIPLE VALUES.

Cause - SUB/TAB "subname" converted a value to multiple values (synonyms), but if the clause relation is other than EQUAL or NOT EQUAL (or a valid synonym), the clause is ignored.

Action - Change the relational operator.

3521 INSUFFICIENT CORE TO LOAD DICTIONARY

Cause - The region size is not large enough to load the dictionary required to process the keyword indexed fields.

Action - Enlarge the region size and rerun the job.

3522 DICTNAME DICTIONARY NOT IN LIBRARY

Cause - A dictionary defined during index specification is not in the library designated by the user.

Action - Check the JCL to make sure the SLIB parameter designating the user's library was specified. If it was, make sure the required dictionary is on the designated library.

3523 ARGUMENT IS NOT A KEYWORD - AAAAA

Advisory- "AAAAA" is the value being queried against a keyword indexed field that has a dictionary associated with it but the value is not contained within the dictionary. Retrieval will continue.

The following messages may be produced by Index Processing during a RASP run.

3530 UNABLE TO OPEN USER LIBRARY (SLIB).

Cause - Self-explanatory.

Action - Default to file-access mode.

3531 UNABLE TO OPEN INTERMEDIATE STEREO DATA SET (STROUTDD)

Cause - Self-explanatory.

Action - Default to file-access mode.

3532 UNABLE TO OPEN IXPEX DIAGNOSTIC DATA SET.

Cause - The data set for diagnostic messages could not be opened. DD statement is SYSPRINT.

Action - Default to file-access mode.

3533 I/O ERROR ENCOUNTERED WHILE READING FROM SOURCE STATEMENT MEMBER.

Cause - Self-explanatory.

Action - Default to file-access mode.

3534 I/O ERROR ENCOUNTERED WHILE READING FROM INTERMEDIATE STEREO (STROUTDD) DATA SET.

Cause - Self-explanatory.

Action - Default to file-access mode.

3535 I/O ERROR ENCOUNTERED WHILE WRITING IXP DIAGNOSTIC DATA SET.

Cause - Self-explanatory.

Action - Default to file-access mode.

3536 SOURCE STATEMENT MEMBER ON USER LIBRARY NOT FOUND.

Cause - Self-explanatory.

Action - Default to file-access mode.

3540 I/O ERROR READING OR WRITING THE INDEX DATA SET.

Cause - Self-explanatory.

Action - Reexecute the job. If the error persists compress the index data set with the utility UTNDXTFR and reexecute the job.

4.13 RASP User ABEND Codes

The following RASP User ABEND code may occur in RASP processing which will cause an abnormal run termination.

707 ERROR COMPILATION ILLEGAL FOR EXECUTE ONLY PROCEDURE. RUN TERMINATED WITH ABEND 707.

Cause - User attempted to compile a RASP query using the execute only procedure XRASPEX.

Action - Use the procedure, XRASP, or remove the query from the run deck.

Section 5

OUTPUT PROCESSOR

ERROR CODES

Explanation of the error and diagnostic messages for the Output Processor are described in the four groups listed below. Standard OS/360 Job Control, Assembler and Linkage Editor error messages and diagnostics are not described in this document.

1. RIT Specification Error Messages - These are errors which are recognized during the translation and editing of the specification cards during a RIT structure run.

2. Control and Program Error Messages - These are errors which are detected in the Supervisor control cards, in the deck order or in one of the input data sets.

3. OP User ABEND Codes - These are major errors which will cause termination of the OP run.

4. Post Publish List - This is a list of requests not published.

ERROR CODES

5.1 RIT Specification Error Messages

RIT specification errors are listed after the RIT specifications have been edited and analyzed by the Output Processor. Initially, the specification deck is listed with assigned sequence numbers. These assigned sequence numbers are for use in cross-referencing an error with the input card.

The error statements are listed in the format below.

```
STATEMENT AAAA TYPE BB...BB LEVEL C FIELD DD..DD...
...ERROR EE....EE
```

A = the input card sequence number up to 000. In large RITs, this number could refer to the given number, the given number plus 1,000, etc.

B = the type card; e.g., HEADER, RESET, COMPUTE, etc.

C = a level code. Levels are assigned to the input statement from left to right. The levels begin with one and are in ascending order. Each level is associated with an allowable expression on the statement.

Example -

```
    1    2  3        4
LINE1 10 MENAM IF MEPSD GT Ø.
```

The statement identifier (LINE1) is considered as level 1. Level 1 is always the statement type. At level 2 (for a LINE statement), one of the legal expressions is a valid output position; thus, in the example, the level 2 value is the output position 10. If level 2 is an output position, then a field name is valid at level 3, and so on, down the statement until it is exhausted. The level indicator is an aid to help the user locate an error within a statement. There are up to five

levels within one statement. See section 4 of the OP Manual, NIPS/360 PPS, Volume V.

D = Beginning at the high-order position of the term which is in error, eight bytes are output.

E = The type of error found in the expression at the level given as C. It consists of either a warning message of the form:

WARN. CD Error explanation

where CD is the error code number (70 and above for warnings), or an error of the form:

ERROR CD Error explanation

where CD is the error code number (01 through 69). 'ERROR' type messages cause the RIT to be placed in the DEBUG mode if DEBUG was not specified. In other words, the RIT will not be assembled and placed on the user library. The following is a list of errors, causes, and actions for all errors given during translation of a RIT.

Error Code	Error Message
01	CANNOT IDENTIFY OR ILLEGAL EXPRESSION.

Cause - The expression is written incorrectly (keypunch error possibly) or is not allowed at this level on this statement type.

Action - Correct the expression or move it to a statement where it is legal.

02 OUT OF SEQUENCE.

Cause - The level 1 expression (statement type) is not in the proper sequence.

Action - Place statement in the proper order in the RIT specification deck. See the statement order section of the OP Manual (section 4).

ERROR CODES

03 UNDEFINED OR ILLEGAL FIELD.

Cause - The expression contains an undefined field or a defined field which is not allowed either in this particular expression or is not allowed on this statement type. Note - the SORTKEY must be defined using partial field notation and PSCTs can only be referenced in MOVE and IF (conditional) expressions. PSCTs cannot be referenced in IF COMPLETE statements. PSCTs cannot be referenced on breaklines.

Action - Define the field in error or remove the expression from this statement type.

04 EXPRESSION TYPE NOT ALLOWED.

Cause - The expression indicated is not valid at this level of the statement.

Action - Delete the expression or move it to a statement where it is legal.

05 RIT MUST START WITH FILE OR FORMAT.

Cause - FILE or FORMAT card not found as first card of RIT (excluding comments).

Action - Rearrange RIT input specifications.

06 LITERAL REQUIRED.

Cause - A literal should be used in this expression.

Action - Code the correct literal type.

07 SUBROUTINE/EDIT ERROR.

Cause - Either an incorrect edit word was specified (length greater than 26 bytes, replaceable characters, or control characters) or the specifications for the use of a subroutine cannot be interpreted. When referencing a defined edit mask on an output statement, this

message may occur when the length of the edit mask is longer than the field to be edited.

Action - Correct the edit and/or subroutine specifications and resubmit the RIT.

08 ILLEGAL CONTINUATION CARD.

Cause - Statement type not included on a card following a card with a nonblank character in column 72 or the wrong card following a card with a nonblank in column 72.

Action - Correct the card in error and resubmit.

09 INTEGER TOO LARGE.

Cause - A literal greater in value than the system can handle (15 bytes or absolute value too large) or the number of digits specified is greater than allowed in this expression.

Action - Correct absolute value or digit length and resubmit.

10 PARTIAL FIELD ERROR.

Cause - Partial field notation is not of the form x/y or x-y where x is the lower value of the two. Also, x or y may be outside the range of the field or an illegal character may have been punched in the partial field notation portion of the expression. Partial field notation may not be used when IFOGRPn is specified on the EXTRACT statement.

Action - Correct and resubmit.

11 ALPHA/NUMERIC IN ERROR.

Cause - An alpha or numeric literal contains an illegal character or is too large.

Action - Correct and resubmit.

12 ILLEGAL FORMAT ASSUME PRINT.

Cause - The format is not given (PRINT, PUNCH, or TAPE) or is punched incorrectly.

Action - For error check purposes, 'PRINT' is assumed. FORMAT card must be corrected and RIT resubmitted.

13 ERROR IN FORMAT - STANDARD OPTIONS USED.

Cause - Self-explanatory. A field in the FORMAT expression is punched incorrectly.

Action - See OP Manual, section 4 for legal fields on a FORMAT card and for limits. The standard default values given in section 4 will be used for error checking the RIT. Error must be corrected and RIT submitted.

14 ILLEGAL EDIT

Cause - The edit word is too long or contains illegal characters.

Action - Correct and resubmit.

15 MULTIPLE LINE POSITIONS/LIMIT OF 29 EXCEEDS.

Cause - Self-explanatory. More than 29 print positions were given for a set field.

Action - Decrease number of print positions specified and resubmit.

16 LITERAL EXTENDS INTO COLUMN 72/NO TERMINATION.

Cause - Self-explanatory.

Action - Place literal on next card or shift it to the left on this card.

17 ILLEGAL CARRIAGE CONTROL OF SPACE CHARACTER.

Cause - As stated. An illegal character has been detected in a SPACE XX, or SKIP TO XX expression.

Action - Correct and resubmit.

18 MULTIPLY DEFINED.

Cause - A field in this expression is multiply defined. Either the literal defined has been previously defined as a literal or a field by the same name has been found in the FPT.

Action - Change the name and resubmit.

19 LITERAL TABLE FULL.

Cause - Either more than 55Ø named literals have been defined or there is not enough core to hold the number of defined literals.

Action - If more than 55Ø literals have been defined, decrease the number of literals. Partial field notation can be used to effectively define more than one literal area in one named literal. If 55Ø literals have not been defined, increase the partition size and rerun.

20 END OF RIT BEFORE ALL REQ'D STMT TYPES FOUND.

Cause - An END card was reached before all required statement types were found. Make sure there is a FILE card.

Action - Include the missing statement and resubmit the job.

21 ILLEGAL LEVEL NUMBER OF ALPHA LEVEL CHARACTER.

Cause - The one- to three-digit level number contains a nonnumeric digit or is too long, or the

alpha level character is not in the range A through Z.

Action - Correct and resubmit.

22 ILLEGAL MODE SPECIFICATION FOR SET.

Cause - The mode specification must be as given in section 4 of the OP Manual (ALL, ALL SET(b), SCAN, SCAN SET(b), FIRST m FIRST m SET(b) or LAST m, LAST m SET(b)).

Action - Correct and resubmit.

23 DUPLICATE MODE SPECIFICATION FOR SET.

Cause - Self-explanatory. More than one mode (ALL, SCAN, FIRST or LAST) has been given for this set (SET(b)).

Action - Remove one mode specification and resubmit.

24 DUPLICATE FILE NAME/SAME FORMAT.

Cause - As given, the same file name may not be repeated in a FORMAT for a multifile report.

Action - Group all statements pertaining to the file under one FILE XXXXXXX statement.

25 ILLEGAL SUBR/EDIT OR OVERRIDE OF SUBR/EDIT.

Cause - Either an illegal subroutine or edit word has been specified or a subroutine or edit word has been overridden and none was defined in the FFT. NOTE: The subroutine and edit specifications found in the FFT are not defined for CARD and RECORD specifications and should not be overridden. If it is desired to use a subroutine or edit word on a CARD or RECORD, it must be specified at level 4. Subroutine specifications or overrides of subroutines are not allowed when IFOGRPn is used on the EXTRACT statement.

Action - Correct the illegal subr/edit specification at level 4 and resubmit.

26 SUBROUTINE NOT FOUND ON LIBRARY.

Cause - Self-explanatory. Since the subroutine cannot be found, the output length cannot be generated.

Action - Place the subroutine on the library or provide the correct library name on the execute or the DD card override.

27 NUMBER OF CONTINUATION CARDS EXCEEDED.

Cause - More than four cards were used for a statement.

Action - Either break the statement into two statements or remove blanks so that the statement will fit on four cards.

28 ILLEGAL SET REFERENCE ON BREAKLINE.

Cause - A set field in the expression is not allowed on a BREAKLINE (IF COMPLETE on a LINE, CARD or RECORD).

Action - Perform the operation desired in the PRINT, CARD, or RECORD section (just prior to the BREAKLINE section) of the RIT and save the result in a literal. The literal can then be referenced in the BREAKLINE, CARD, or RECORD.

29 BETWEEN RECORDS REQ ON SP/SK/EJ IF COMPLETE

Cause - The BETWEEN RECORDS specification is required on an IF COMPLETE statement.

Action - Place the expression after the format control command.

30 ILLEGAL ACTION STATEMENT.

Cause - The action expression indicated is not allowed on this statement or is not allowed at this point in the RIT.

Action - Move the expression.

31 FILE FIELD NOT ALLOWED.

Cause - A field from the file is not allowed in this expression. This could occur on a statement where file fields are not allowed or in an expression on a BREAKLINE. See cause for error number 28.

Action - Move the expression to a statement where a file field is allowed.

32 FIELDS NOT EQUAL LENGTH.

Cause - The fields in a parameter operator parameter group are not equal in length. This could occur in an action expression or a condition. Self-defined literals (numeric or alpha) are automatically adjusted for length.

Action - Ensure that each group of fields in the expression contains fields of equal length.

33 MORE THAN ONE SET IN EXPRESSION.

Cause - Only one set may be referenced in an expression on a statement.

Action - Remove one of the set references from the expression.

34 NUMERIC FIELD TOO LONG.

Cause - The maximum length of a numeric field to be output on a LINE, CARD, or RECORD is 15 bytes.

Action - Decrease the field length. Note: partial field notation can be used to break large numeric fields into multiple numeric fields.

35 ILLEGAL RECORD (PRINT, CARD, TAPE) POSITION.

Cause - One or more of the positions given are outside the range of the record size specified on the FORMAT card. If a size was not specified, the positions are outside the default value. A long field that extends below the high-order (leftmost position) or the low-order (rightmost, high-core) position is greater than the record length.

Action - Adjust the field so that it fits in the record (PRINT, TAPE or CARD) or increase the size of the record.

36 RECORD POSITION OVERLAP.

Cause - The field on this statement overlaps another field in the same record (PRINT, CARD, or TAPE), and neither field is conditioned.

Action - Adjust the fields so that no overlap occurs or condition the fields.

37 DECREASING ALPHA LEVEL, STATEMENT IGNORED.

Cause - In a block (alike statement types having the same level number) using alpha levels, the alpha levels must be written in order (A through Z). This statement is dropped from further error checking.

Action - Rearrange the alpha levels (nnna) in the block.

38 ILLEGAL SPACE, SKIP TO, OR EJECT.

Cause - An illegal number of spaces, carriage control channel, or BEFORE, BETWEEN RECORDS specification has been used.

Action - See section 4 of the OP Manual for legal specifications, correct and resubmit.

39 ILLEGAL PERIODIC LABEL.

Cause - Either part of the periodic label specification cannot be identified or the periodic label specification cannot be used on this statement.

Action - Check periodic label specifications, correct and resubmit.

40 FIELD TABLE OVERFLOW.

Cause - More fields were specified on the statement than can be processed. This should never occur.

Action - Decrease the number of fields. The statement may have to be broken into multiple statements.

41 ILLEGAL CROSS SET LOGIC.

Cause - Either fields from more than one set have been used in this expression or fields from more than one set have been referenced in this statement.

Action - Change the expression or statement so that only one set is referenced and resubmit.

42 FIELDS ARE NOT THE SAME TYPE.

Cause - In a conditional (IF) expression, fields to be compared are not equivalent types; for example:

alpha-to-alpha, numeric-to-numeric, binary-to-binary, binary-to-numeric, etc., are legal.

Note: Alpha-to-numeric compares can be made. This comparison will actually be numeric. Alpha-to-binary is illegal. If you desire to compare alpha (such as PARAM) to binary, move the binary field to a numeric (EBCDIC decimal) field first.

Action - Determine the condition which contains fields of incompatible types and correct the group or move one of the fields to the proper literal type before the condition.

43 ILLEGAL USE OF ARRAY/MATRIX LITERAL

Cause - The statement is attempting to use an array or matrix literal in a manner inconsistent with array/matrix processing.

Action - Correct the statement to either correctly process the array or matrix or reference another type of literal.

50 OVERFLOW IS RG TABLE BLOCK.

Cause - There is not enough room in core for a complete block of statements. A block is all statements pertaining to the same LINEnnn, CARDnnn, RECORDnnn, etc. A block is also a group of action statements all containing set fields or all containing fixed fields.

Action - Either increase the partition size and resubmit or break the block into multiple blocks (LINES, etc.). If the overflow is caused by action statements, group a series of action statements pertaining to sets followed by a group pertaining to fixed fields followed by a group pertaining to sets, etc., until each group individually is small enough to fit into available core.

52 EDIT MASK TOO SHORT.

Cause - The number of replaceable characters in an OP edit mask is less than (1) the output length

of a field to be edited, or (2) the output length of a subroutine specified by the user.

Action - Correct the edit mask to equal the output length of the field (or subroutine output) and resubmit the job.

53 EDIT MASK EXCEEDS SUBROUTINE OUTPUT LENGTH.

Cause - The number of replaceable characters in an OP edit mask is greater than the output length of a subroutine specified in the FFT.

Action - Correct the edit mask to equal the output length of the FFT subroutine and resubmit the job.

54 EDIT MASK LESS THAN SUBROUTINE OUTPUT LENGTH.

Cause - The number of replaceable characters in an OP edit mask is less than the output length of a subroutine specified in the FFT.

Action - Correct the edit mask to equal the output length of the FFT subroutine and resubmit the job.

55 FIELD TO BE EDITED NOT NUMERIC.

Cause - A field to be edited is not in the numeric or binary format.

Action - The edit mask must be removed to avoid this error unless the field type was in error in the FFT.

56 SUBRT OUTPUT TO BE EDITED NOT DECIMAL.

Cause - The subroutine output is not unpacked decimal.

Action - The EDIT must be removed unless the output type was in error in the FFT.

57 filename NOT SPECIFIED ON EXTRACT STATEMENT.

Cause - The EXTRACT statement does not contain the name of a file from which a data record is to be retrieved.

Action - Specify a file name on the EXTRACT statement.

58 IFOGRPn DOES NOT CONTAIN AT LEAST TWO FIELDS.

Cause - The IFOGRP specified on the EXTRACT statement was not made up of two fields, the first containing a file name and the second a Record ID pointer.

Action - The IFOGRP field must be restructured to have at least two fields if it is to be used with the EXTRACT statement.

59 EXTRACT NOT ALLOWED IN SECONDARY FILE.

Cause - An EXTRACT statement was found outside the specifications for the first file in a multi-file run.

Action - Remove the EXTRACT statement from its current position and reevaluate the request.

60 MULTIFILE RIT REQUIRED FOR EXTRACT.

Cause - A single file RIT contains an EXTRACT statement.

Action - Make the necessary corrections for the RIT by making it multifile or by removing the EXTRACT statement.

61 GOTO/TAG EXTENDS BEYOND STATEMENT CAPABILITIES.

Cause - The GOTO/TAG combination extends beyond accepted limits. The GOTO/TAG combination may not go between files in a multifile run, nor may it go between formats in a multiformat

RIT. Within the same format, a GOTO/TAG combination may not traverse the boundaries between regular RIT specifications and those within the breaklines (IF COMPLETE) section.

62 PERFORM EXTENDS BEYOND STATEMENT CAPABILITIES.

Cause - The LINE/RECORD/CARD to be performed extends beyond allowable limits. PERFORM may not go between files in a multifile run, nor may it go between formats in a multiformat RIT. Within the same format, the boundaries between regular RIT specifications and those within breaklines (IF COMPLETE) may not be traversed.

Action - Make the necessary corrections on the PERFORM or LINE/CARD/RECORD statement.

63 ABSENT NOT ALLOWED WITH FIXED SET

Cause - A condition statement using the ABSENT operator is trying to condition on a fixed set field being absent. This is a restriction on the use of the ABSENT operator.

Action - Make the appropriate corrections to the condition statement.

64 CONTAINS NOT ALLOWED ON NUMERIC FLDS.

Cause - A condition statement using the CONTAINS operator references a parameter that is numeric. CONTAINS may only be used in conjunction with the variable set, variable fields and fixed-length alpha fields.

Action - Make appropriate corrections to the condition statement.

65 INVALID USE OF SUBSCRIPTS OR PARENTHESES

Cause - Define statements for arrays and matrixes must have occurrences enclosed within parentheses. When referencing a defined array or matrix the

required subscripting is incorrect. All subscripts must be enclosed in parentheses. Arrays require one subscript; matrixes require two. These subscripts may be self-defining literals, the contents of defined numeric literals, or the contents of numeric file fields.

Action - Make the changes necessary to correct the statement.

66 NUMBER OF ELEMENTS INCONSISTENT WITH DEFINITION

Cause - The number of literals used with FOR clause on a COMPUTE statement is more than the number of columns defined for the matrix or the number of literals used with the AND clause on a COMPUTE statement is more than the number of rows defined for the matrix.

Action - Define the matrix so that the number of rows and columns are consistent with the number of literals used in the COMPUTE statement, or revise the COMPUTE statement so that the number of elements referenced agreees with the number of rows and columns of the matrix.

The preceding group of error messages will cause the RIT to be run in the debug mode (no assembly and no linkedit to the library).

The next group (70 and above) are warning messages. The RIT will structure (assemble and linkedit if DEBUG is not specified). Either default values will be used or truncation may occur, depending on the warning. In some cases, results may not be as expected.

71 FORMAT SIZE EXCEEDED OR BLOCKSIZE TOO LARGE.

Cause - As given. This may cause other errors.

Action - The default value is used. If this is not desired, check the maximum values allowed, change the values specified and resubmit.

72 ALPHA-TO-NUMERIC MOVE.

Cause - A field defined as alphabetic is being moved to a numeric literal. If the field always contains numeric (EBCDIC) information, there will be no problem; otherwise, data interrupts may occur.

Action - None required.

73 NONSTANDARD FIELD LENGTH.

Cause - A field is to be generated (in an arithmetic calculation probably) that does not conform to the system standard length. Truncation will probably occur on the left (high-order) portion of the calculated result. If the range of your calculated values is within the field size defined, leading zeros will be dropped. To calculate standard result area lengths, use the following table and work from left to right.

Operation	Result Areas
Addition	Longest field +1
Subtraction	Longest field +1
Multiplication	Field lengths added
Division	Length of dividend

Action - Ensure that truncation cannot occur.

74 CONDITIONAL FIELDS OVERLAP.

Cause - A field on this statement overlaps a field on another statement in the same block and one or both are conditioned.

Action - Insure that the conditions are such that overlap will not occur when not wanted.

75 SUBROUTINE NOT ON LIBRARY. USING FIELD LENGTH.

Cause - The subroutine specified is not on the subroutine library so output field length cannot be checked. OP is using the output field length given in the FFT.

Action - The subroutine must be on the library to execute the RIT.

76 RECORD SIZE EXCEEDS BLOCKSIZE.

Cause - As given. The record size will be used as the blocksize.

Action - If the blocksize is still too small, correct blocksize and restructure.

77 FIELD EXTENDS TO COLUMN 72/WARNING ONLY.

Cause - As stated.

78 ALPHA-TO-NUMERIC COMPARE CONDITIONALLY ACCEPTED.

Cause - An alphabetic field is being compared to a numeric field. A numeric compare will be made. If the field does not contain numeric (EBCDIC) characters, data interrupts may result.

Action - Ensure alpha field being used in the compare always contains numeric digits.

79 FIELD TRUNCATED TO MAXIMUM OUTPUT LENGTH.

Cause - A result area that was computed using the standard output lengths has a length greater than the maximum allowed. It has been truncated to 15 bytes.

Action - Ensure that arithmetic overflow will not occur.

ERROR CODES

80 OCCUR. NO. GT COUNT. SOME OCCURRENCES DELETED.

Cause - A set field is being placed on a record (multiple PRINT, CARD, RECORD positions) more times than specified in a count for FIRST or LAST. Excess occurrences are dropped.

Action - Record positions may have to be adjusted to properly output the fields or the count may have to be changed. Occurrences are dropped on the right (rightmost record positions).

81 OCCUR. NO. INCREASED. SOME OCCURS. ARE DROPPED.

Cause - This statement contains multiple record positions and more occurrences (record positions) than another statement. This is probably caused by an expression elsewhere in the block which references a field from the same set either once (as in a condition or arithmetic) or another field from the same set is being output using a smaller number of multiple record positions.

Action - If the desired results are not obtained using the number of occurrences (positions are dropped on the right), the set references should be changed and the RIT restructured.

82 OCCUR. DECREASED OCCURS. DROPPED FROM PREV. STMNT.

Cause - The opposite of 81. The occurrence number (multiple record positions for a set field) has decreased. Some occurrences will be dropped (rightmost) from previous statements in the block.

Action - See 81.

83 LINE LEVEL DECREASES, CONDITIONALLY ACCEPTED.

Cause - OP has detected something like the following; LINE 98 -- followed by LINE 6Ø.

Action - Both will be structured and the line level reset to the second value. The deck may be shuffled. If so, resequence statements and resubmit.

84 NO SPECS. IN PREV. STMT., NO CODE GENED.

Cause - The Statement block previous to this statement contains no specifications (actions, record positions, etc.). It is most probably a line level condition all by itself or a label with no line. All labels must be tied to lines. If a label must be printed by itself, use line specifications.

Action - The specification will be deleted. If it is actually out of sequence or misplaced, resequence and resubmit.

85 EDIT MARK TOO LONG, TRUNCATED TO OUTPUT LENGTH.

Cause - The number of replaceable characters in an OP edit mask exceed the output length of the field to be edited.

Action - The system will automatically drop off replaceable characters from the high-order end of the edit mask until the mask length equals the output length of the field to be edited, preventing data errors during OP execution.

86 ILLEGAL SORTKEY SPECIFICATION - QUERYNO ASSUMED.

Cause - The user has referenced sortkey position 1, 2, or 3.

Action - The system has defaulted this specification to QUERYNO. If QUERYNO is not desired, correct

the sortkey specification (SORT 4/X) and rerun job.

87 OBSOLETE OPERAND IGNORED.

Cause - The indicated operand is inoperable.

Action - It will be edited and must be correct. It may be removed with no effect on the RIT.

5.2 Control and Program Error Messages

The following error messages are results of improper supervisor control cards, RIT FILE cards, or program errors.

100***BYPASSING CARD CONTAINING ONLY BLANKS AND/OR COMMAS AND/OR EQUAL SIGNS****.

Results - Card in question will not be passed on to the processors.

Action - None.

101* XXXXXXXX FOUND ON LIBRARY, BEING SET TO DEBUG MODE **

Results - The RITID was found on the library and could not be added. The mode was set to DEBUG.

Action - Restructure the RIT specifying STORE=PERM-OLD.

102***IS A DUPLICATE RITID AND WILL BE SET TO THE DEBUG MODE*****.

Results - RIT in question will be edited for errors but not structured.

Action - Change RITID to a unique name. Change CREATE card to STORE=PERM-OLD.

103***ILLEGAL O/P SUPERVISOR CONTROL CARD*****.

Results - Card in question will not be processed.

Action - Check for CREATE card following the SOURCE

card, more than one SOURCE card, or a misspelled card type.

104***THE ABOVE CARD IS NOT IN THE PROPER SEQUENCE*****.

Results - Card will not be processed.

Action - Check run deck sequence.

105***ALL FOLLOWING CARDS IN THE RUN WILL BE BYPASSED*****.

Results - Self-explanatory.

Action - Check for preceding error message.

106***AN RITID EXCEEDS MAXIMUM LENGTH. IT WILL BE CHANGED TO THE DEBUG MODE. THE TRUNCATED ID IS XXXXXXX*****.

Results - Self-explanatory.

Action - Reduce number of characters in RITID to seven or less and rerun if necessary.

107***FILENAME EXCEEDS MAX. LENGTH OF SEVEN CHARACTERS FILENAME - XXXXXXX******.

Results - RIT will not be processed.

Action - Check file name on FILE card.

108***FILENAME XXXXXXX DOES NOT BEGIN WITH AN ALPHABETIC CHARACTER*****.

Results - RIT will not be processed.

Action - Check file name on FILE card.

109***RITID - XXXXXXX DOES NOT BEGIN WITH AN ALPHABETIC CHARACTER. RIT NOW IN DEBUG MODE*****.

Results - Self-explanatory.

Action - Correct RITID on CREATE card and rerun.

ERROR CODES

111*ERROR***UNSUCCESSFUL OPEN FOR FILE XXXXXXX.

Results - Job will be terminated.

Action - Check DD (JCL) cards for file indicated and rerun.

112*ERROR***TOO MANY CONTINUATION CARDS.

Results - Request will not be processed. Run will continue.

Action - Reduce number of continuation cards.

114*ERROR***ILLEGAL CHARACTER NEAR COLUMN NNNN.

Results - Request will not be processed. Run will continue.

Action - Check indicated control card. Correct it and rerun.

Note: Continuation cards are continued at the last "non-blank" or "comma preceding" column 72 on the preceding card. This must be taken into consideration if the 'NEAR COLUMN' number is used.

115*ERROR***NO TERM QUOTE OR LITERAL TOO LONG BEGINNING NEAR COLUMN NNNN.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

116*ERROR***OPERAND TOO LONG BEGINNING NEAR COLUMN NNNN.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

117*ERROR***NO VALUE NEAR COLUMN NNNN.

ERROR CODES

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

118*ERROR***INVALID CARD TYPE.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

119***RETRIEVAL SOURCE ASSUMED*****.

**119 DIAGNOSTIC - SOURCE CARD HAS NOT BEEN DETECTED - SOURCE RETRIEVAL ASSUMED.

**119 DIAGNOSTIC - NO SOURCE SPECIFIED - RETRIEVAL ASSUMED.

**119 DIAGNOSTIC - NO VALID SOURCE - ASSUMING RETRIEVAL.

Results - Self-explanatory.

Action - None, unless SOURCE DIRECT was intended.

120*ERROR***INVALID OR MISSING PAGE NUMBER.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

121*ERROR***INVALID OR MISSING BODYLINES NUMBER.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

122*ERROR***INVALID OR MISSING NUMBER OF COPIES.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

123*CLASSIFICATION TOO LONG OR MISSING.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

124*ERROR***DATE TOO LONG OR MISSING.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

125*ERROR***ILLEGAL KEYWORD/VALUE OR EXPRESSION NEAR NNNN.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun

126*ERROR***NO OPERAND.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

127*ERROR***OPERAND VALUE TOO LONG OR INVALID NEAR NNNN.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

128*ERROR***ILLEGAL OPERAND NEAR NNNN.

Results - Request will not be processed. Run will continue.

Action - Correct card and rerun.

ERROR CODES

129*NO FIP RECORD ON QRT.

Results - Will result in eventual file error. Processing continues.

Action - Check results of retrieval, source and JCL cards. Correct and rerun.

130***I/O ERROR DURING READING OF THE FFT FOR THE XXXXXXX FILE. STRUCTURING WILL BE TERMINATED *****.

130*ERROR***INPUT ERROR - JOB TERMINATED.

130*ERROR***IRRECOVERABLE I/O ERROR - JOB DISCONTINUED.

130*ERROR***I/O ERROR READING EX EX FILE - RUN DISCONTINUED.

130*ERROR***I/O ERROR READING INTERMEDIATE GO GO FILE - RUN TERMINATED.

130*ERROR***I/O ERROR READING QRT/QDF - JOB TERMINATED.

130*ERROR***I/O ERROR READING XXXXXXX. RUN DISCONTINUED.

130*ERROR***I/O ERROR READING CLASS RECORD FOR XXXXXXX RUN DISCONTINUED.

Results - Self-explanatory.

Action - Check console type-out for error. Check JCL cards. Take any corrective action necessary. Otherwise consult system programmer.

133*ERROR***NO FIP FOR THE FOLLOWING QUERY XXXXXXX.

Results - Answer set will not be published.

Action - Consult system programmer.

134*NO CORE AVAILABLE FOR SAM READ-IN AREA - RUN DISCONTINUED.

Results - The unavailability of core for the read-in area is caused by a region/partition too small or a processing block to small.

Action - a. Region/partition size - Increase the region/partition, or if the file block size is greater than 1004 and a larger region/partition is not available, reduce the file blocksize.

b. OP processing blocksize - The processing block must be large enough to hold the fixed set plus all subsets referenced in the RIT. The user can assign a larger processing block by coding PARM='TCP=nk' on the OP EXEC statement, where n is the size in thousands of bytes of the desired processing block. When increasing the processing block, the user must also ensure that the region/partition size is sufficient for the increased processing block.

135*ERROR***DATA BLOCK WILL NOT FIT IN PROCESSING BLOCK-RUN TERMINATED.

Results - Self-explanatory.

Action - Increase the region size or shorten the process block requirement by narrowing the set/subset selections in the RIT or retrieval.

136*ERROR***POINT DESIGNATION FROM QRT CANNOT BE LOCATED OR DOES NOT MATCH UP WITH QDF - CURRENT REQUEST DISCONTINUED.

Results - Self-Explanatory.

Action - This error is generally due to a bad track on the disk. Rerun job. If error occurs repeatedly, consult system programmer.

ERROR CODES

137*ERROR***RIT DOES NOT PROCESS DESIGNATED REQUEST - REJECTED.

Results - Request not processed. Run continued.

Action - For SOURCE DIRECT, be sure that RIT processed requested file.

138*ERROR***CANNOT LOCATE OP PROGRAM MODULE XXXXXXXX. THIS REPORT DISCONTINUED.

Results - Self-explanatory.

Action - Consult system programmer.

139*ERROR*** CANNOT LOCATE USER SUBROUTINE XXXXXXXX. THIS REPORT DISCONTINUED.

Results - Self-explanatory.

Action - Place subroutine on library and rerun.

140*ERROR***RIT DOES NOT USE FILE XXXXXXX THIS REPORT DISCONTINUED.

Results - Self-explanatory.

Action - Check to see if proper RIT or file is used, correct and rerun.

141*ERROR***PROGRAM CANNOT MATCH ANSWER RECORDS WITH EQUATION RECORDS - PROGRAM IS THOROUGHLY CONFUSED.

Results - Request is not processed. Run continues.

Action - Consult system programmer.

**142 DIAGNOSTIC - PUBLICATION WAS NOT REQUESTED FOR ANSWER SET XXXXXXX.

Results - Answer set will be skipped.

Action - None.

ERROR CODES

143 * ERROR***CANNOT LOCATE FILE XXXXXXX REQUEST DISCONTINUED.

Result - Self-explanatory.

Action - Check to see that file to be used is cataloged or that DD override card is included. Correct and rerun.

144*ERROR***INSUFFICIENT CORE TO PROCESS REQUEST. REQUEST DISCONTINUED.

Result - Self-explanatory.

Action - Increase core partition or reduce size of RIT and/or user subroutine requirements. Correct and rerun.

145*ERROR***CANNOT LOAD INPUT PROCESSOR XXXXXXXREQUEST DISCONTINUED - RETURN CODE X.

Results - The indicated load module could not be loaded; the reason is indicated by the return code.

Return Codes:

C - a contiguous amount of core for the load module could not be obtained

F - module is not found on the library

B - the module is in use; it cannot be loaded again.

Action - If return code is C, use a larger region size and rerun the job; if return code is F, replace the missing module; if return code is B, consult system maintenance personnel.

146*ERROR***END-OF-DATA-SET READING CLASS RECORD FOR XXXXXX. REQUEST DISCONTINUED.

Results - Self-explanatory.

Action - Consult system programmer.

147***XXXXXXX NOT LOADED FROM LIBRARY, REQUEST REJECTED RETURN CODE X.

Results - The indicated RIT could not be loaded; the reason is indicated by the return code.

Return Codes:

C - a contiguous amount of core for the RIT could not be obtained

F - the RIT is not found on the library

B - the RIT is in use; it cannot be loaded again.

Action - If return code is C, use a larger region size and rerun the job; if return code is F, check to see if RIT is structured properly; if RITID is correct, or was placed on the library, correct and rerun.

148*ERROR***MISSING OPERAND ANSID.

Results - Request will not be processed. Run will continue.

Action - Correct PUBLISH card and rerun.

149*ERROR***ILLEGAL OPERAND ANSID.

Results - Request will not be processed. Run will continue.

Action - Correct PUBLISH card and rerun.

150*ERROR***RIT NOT SPECIFIED ON PUBLISH CARD OR QUERY. REQUEST REJECTED.

Results - Request not processed. Run will continue.

Action - Specify RIT and rerun.

ERROR CODES

**151 DIAGNOSTIC - RIT WAS STRUCTURED FOR FILE XXXXXXX DESIGNATED FILE FOR EXECUTION IS YYYYYYY.

Results - Request will be processed and as much of a report published as is possible.

Action - If results are not those desired, correct file name in JCL to agree with that specified in RIT.

152ANSWER SET CONTAINS RECORDS FROM FILE NOT PROCESSED BY RIT - ALL SUCH RECORDS WILL BE BYPASSED.

Results - Self-explanatory.

Action - None, unless those records are desired. If they are, restructure the RIT to process that file.

153*ERROR***CANNOT LOCATE OR OPEN QRTFILE/QDFILE. SOURCE IS RETRIEVAL - QRTFILE/QDFILE DD CARDS MISSING. SPECIFY CORRECT SOURCE OR QRTFILE/QDFILE DD CARDS. RUN DISCONTINUED.

Results - Self-explanatory.

Action - Self-explanatory.

154***THE FFT FOR THE XXXXXX FILE COULD NOT BE LOCATED AND/OR OPENED. STRUCTURING WILL BE TERMINATED.*****

Results - Self-explanatory.

Action - Make sure RIT FILE card and ISAM or SAM parameter on EXEC card specify same file. Otherwise make sure file contains records.

155***NO FFT FOUND FOR THE XXXXXX FILE. STRUCTURING WILL BE TERMINATED*****.

Results - Self-explanatory.

Action - Make sure that the file specified is a NIPS file and has a classification (B) record and the control (C) record.

156***DIRECTORY - DIRECTORY FULL. FILE INFORMATION MAY BE INCOMPLETE. PROCESSING WILL CONTINUE.

Results - Self-explanatory.

Action - Consult system programmer.

157***NO FILE WAS DETECTED FOR THIS RUN. PROCESSING WILL BE TERMINATED*****.

Results - Self-explanatory.

Action - Make sure the RIT deck contains a FILE card.

158**A DATA ERROR HAS OCCURRED. THE CURRENT RECORD WILL BE OMITTED FOR XXXXX.

Results - XXXXX is the first 20 characters of the RECID for the current record. This record will be omitted if DEBUG=NN was not specified on the PUBLISH card. A system ABEND 0C7 or 0C9 will occur if DEBUG=NN was coded on PUBLISH card.

Action - Check the RIT specification deck for division by zero or an arithmetic operation involving an operand that contains other than numeric data. If user subroutine conversion is specified in the RIT, check the user subroutine for the same conditions. If the function returned from a table is used in an arithmetic operation, check the RIT for correct specifications and check the table for correct specifications and valid data. Check the file data record for the RECID printed for valid data.

If the cause of the error is still undetermined, code DEBUG=NN on the PUBLISH card where NN is a value large enough to include the record for the RECID printed and

rerun the job. This will cause ABEND when the error is encountered, which results in a dump. Send the dump to the system programmer, accompanied by a listing of the RIT, and a listing of the FPT. If user subroutines and tables are used by the RIT, submit listings of these also.

159**EXCESSIVE DATA ERRORS HAVE OCCURRED. THE CURRENT REPORT WILL BE TERMINATED.

Results - Five data errors have occurred; OP terminates the report when the fifth data error is encountered.

Action - Perform the action defined for a data error.

160* XXXXXXXX EXCEEDS THE LIMIT OF RITIDS FOR A RUN ***

Results - Structuring of more than 40 reports was attempted within a single OP step.

Action - Divide the reports among several OP steps.

161* XXXXXXXX NOT FOUND ON LIBRARY, WILL BE ADDED ***

Results - The RIT was added to the library since an old version with the identical RITID was not found.

Action - Verify that the old version does not exist under a different RITID.

200***SECONDARY FILE NOT ISAM - RUN TERMINATED.

Results - Self-explanatory.

Action - Specify all secondary files on their respective ISAM volumes.

202***RIT DOES NOT CONTAIN MORE THAN ONE FILE. RUN TERMINATED.

Results - An RIT containing an EXTRACT statement does not reference more than one file. Run will be terminated.

Action - Restructure the RIT and ensure that it contains multiple file sections.

204***UNABLE TO PROCESS THE XXXXXXX FILE. RUN TERMINATED.

Results - While trying to read the classification record or the statistics record for the named file,

either an I/O error was obtained or an EOR was reached.

Action - Dump file to ensure that a classification record still exists or that there are data records.

206***UNABLE TO LOCATE AND/OR OPEN THE XXXXXXX FILE. RUN TERMINATED.

Results - Self-explanatory.

Action - Ensure that a DD statement references the named file and that it is an ISAM file.

208***THE CLASSIFICATIONS OF THE SECONDARY FILES DO NOT MATCH THE CLASSIFICATION IN THE RIT.

Results - The classifications of one or more of the secondary files do not match the classification specified on the publish card and stored in the RIT.

Action - None. This is a warning to the user to check his output regarding its proper classification.

5.3 OP User ABEND Codes

User ABEND Code Numbers, Causes, and Actions

707 ERROR COMPILATION ILLEGAL FOR EXECUTE ONLY PROCEDURE. RUN TERMINATED WITH ABEND 707.

Cause - User attempted to compile an OP RIT using the execute only procedure XOPEX or XOPSDEX.

Action - Use either the procedure XOP or XOPSD, or remove the RIT from the run deck.

1900 Cause - RIT references more than 40 sets. The RIT cannot be structured.

Action - Decrease the number of sets referenced and resubmit.

1931 Cause - Insufficient region or partition size allocated to an OP run when compiling a RIT. A GETMAIN macro executed to obtain core for the R.G. table was unsuccessful. In severe cases, the ABEND dump will not be obtained also, due to lack of core for the ABDUMP routines.

Action - Increase region or partition size and rerun job.

1932 Cause - Improper setup of internal RG pointer in the RIT control table during translation.

Action - Rerun the job. Should problem persist, consult system programmer.

1935 Cause - I/O error reading the OPLEXEX data set.

Action - Rerun OP and, if the error persists, send the dump to the system programmer. The QRT and QDF do not have to be recreated if kept.

1937 Cause - I/O error reading OPLEXDIR, QRT, or QDF.

Action - Rerun the retrieval and recreate the QRT and QDF. Rerun OP and, if the error persists, send the dump to the system programmer.

1942 Cause - I/O error reading the OPLGOGO data set or the QDF.

Action - Rerun the retrieval, recreate the QRT, or QDF, and rerun OP. If the error persists, send the dump to the system programmer.

1947 Cause - I/O error reading the QRT or QDF.

Action - Rerun the retrieval and recreate the QRT and QDF. Rerun OP and, if the error persists, send the dump to the system programmer.

1954 Cause - I/O error reading the QRT or QDF.

Action - See 1947.

1955 Cause - I/O error reading OPLEXDIR or the QRT.

Action - See 1947.

1968 Cause - RG Table block overflow.

Action - See Error Number 50 in Section 5.1, Error Codes.

1975 Cause - I/O error reading the OPLGOGO data set or the QRT.

Action - See 1947.

1980 Cause - I/O error reading the QRT.

Action - See 1947.

1991 Cause - NOFILE information points for the RASP answer set.

Action - Check to see if RASP ran correctly and produced a QRT and QDF. If not, rerun the retrieval. If executing OP using a stored QRT and QDF, check to see if they are properly defined in JCL.

1998 Cause - Program error - a set was moved to the process block which is not used by the RIT.

Action - Send the dump to the system programmer, accompanied by a listing of the RIT and an assembler listing of the FIT.

1999 Cause - Program Error. The answer set being processed contains file codes which cannot be correlated with the RIT File table.

Action - See 1998.

2050 Cause - I/O error reading the OPLGOGO data set.

Action - See 1935.

2222 Cause - An RIT source statement contains more than 80 items (fields).

Action - See Error Number 40 in Section 5.1, Error Codes.

2505 Cause - I/O error reading the OPLEXEX data set.

Action - See 1935.

2551 Cause - I/O error reading an intermediate publish control (OPLEXEX) file.

Action - See 1935.

5.4 Post-Publish List

Two lists are printed for Source Retrieval after all requests have been published. The first list includes all output requests which were not retrieved. All Supervisor control cards and diagnostics generated as a result of processing these cards are listed. The second list includes all requests for which no answers were retrieved. The list includes the same items as the previous list.

Section 6

TERMINAL PROCESSING COMPONENT

This section contains action and diagnostic messages output by the Terminal Processing (TP) component. Where required, the message is followed by the appropriate action to be taken. The first subsection provides message output by the TP Monitor/Supervisor. Subsequent subsections provide messages output by TP application programs.

6.1 TP Monitor/Supervisor

This section provides normal progress messages and warning/error messages displayed at the user's terminal device. Advisory/diagnostic messages which are displayed on the system operation console are also included.

6.1.1 Normal Progress Messages

TERMINAL OPEN - ENTER REQUEST. -- User may enter data.

***** TERMINAL PRIORITY IS XX. -- Terminal priority message appears immediately after the user enters a LOGON request. It also appears whenever the computer operator changes the terminal's priority.

EOM RECEIVED. -- User has entered a valid ¬X program request and should wait for it to be processed.

QUIP STARTED. -- QUIP or other requested problem program has been attached. User should wait for mext message (below).

START CONVERSATION. - At least one page of output is ready to be examined. User should enter a line with a paging command.

OUTPUT QUEUE SCRATCHED. CONVERSATION TERMINATED. -- User has entered S as a page command. He may now enter another query or correct an erroneous one.

6.1.2 Warnings and Errors

6.1.2.1 While Paging Through Output

INVALID PAGE COMMAND. REENTER NP, NL, PP, PL, ØØØ1, S, H. -- User has not used one of the listed options. He should enter a line containing one of the options.

REQUESTED PAGE NOT YET GENERATED. -- QUIP or other output program is still running, and the user has examined the last available page of output. He should wait 15 seconds, and retry his page command. To abort QUIP, enter ¬S (the abort is not instantaneous).

END OF O/P QUEUE REACHED. -- QUIP or other output program has finished, and the user has examined the last available page of output. He may enter any line number or PP to reexamine any part of the output, or may enter S or H.

OUTPUT QUEUE SAVED. CONVERSATION TERMINATED. -- User has entered H as a page command. To resume paging at a later time, enter ¬P. At this time, the user may send a message to the 360 operator, or perform other duties.

OUTPUT QUEUE EMPTY. CONVERSATION TERMINATED. -- User has requested page with ¬P but there is no output to examine.

PROBLEM PROGRAM IN PROCESS. UNABLE TO MEET REQUEST. -- User has entered S or H as a paging command while QUIP or other output program is still running. The paging command is ignored, and the user should wait for the program to complete.

PAGE IS UNABLE TO OPEN THE OUTPUT MESSAGE QUEUE. -- This message is not under the user's control. When PAGE was invoked the Output Message Queue could not be OPENed. If this condition persists consult the systems programmer.

UNABLE TO SCRATCH DATA SET.
or
I/O ERR OCCURRED DURING READ OF O/P QUEUE. REENTER.
or
INVALID LINE NUMBER REACHED. RE-ENTER ØØ1 FOR FIRST PG.
-- These messages are not under the user's control; he should enter another paging command.

TP ACCOUNTING OPTION CANCELED. An uncorrectable I/O error has resulted from a WRITE to the LOG data set. The accounting option has been canceled to avoid further WRITEs to the data set. If accounting information is required, TP should be terminated and restarted to enable allocation of a different disk area.

6.1.2.2 In Response to a ¬X Program Request

ILLEGAL PROGRAM NAME IN REQUEST. -- The character following requests a program that is not available on the library or not available from this terminal. User can request a different program, or use another terminal from which the desired program can be requested.

INSUFFICIENT [DISK SPACE] [CORE], REQUEST NOT RUN. -- User should wait one minute, and reenter a line with his program request. After repeated responses contact the operator.

YOUR STOP REQUEST ACKNOWLEDGED. TERMINAL FREE. -- User has aborted a requested query before it could be started. No input is saved. User may start over on a new query.

ABEND IN TP PROGRAM. -- Requested program abended. User may page the existing output if the START CONV message follows. If not, there is no output, and the user should reenter the same or different query. This message cannot appear in an MFT system, but will normally be replaced by the Terminal Restarted - Enter Request message, when the TP Supervisor is reloaded. In any case, a dump was taken if a SYSUDUMP DD card was included. In an MVT system, the dump is not printed until the TP Supervisor job is terminated.

TERMINAL RESTARTED - ENTER REQUEST. -- Meaning and options are the same as above (ABEND IN TP PROGRAM). This message can appear in either MFT or MVT.

TERMINAL READY FOR ANOTHER REQUEST. -- User has been operating an independent graphic program and it has completed (normally or ABEND). The terminal is now in TPS mode, and can be used for a query, message to operator, or another independent graphic request.

ILLEGAL PROGRAM NAME IN REQUEST. GGINTFAC CANNOT LINK SPECIFIED PROGRAM NAME. -- User has specified an invalid program name as an independent graphic program. The terminal is in TPS mode and can be used for application TP input, a message to the operator, or another independent graphic request.

6.1.2.3 In Response to a Line of Input Other Than Paging Commands

UNIT BUSY, ABOVE INPUT NOT ALLOWED. -- User has entered a line after entering a ¬X request. He should wait until the first request is completed, or the START CONVERSATION message appears.

INPUT QUEUE FULL. -- User has entered a query that exceeds the assigned capacity of the disk input area. He should enter S to scratch the query, and reenter it placing more words on each line.

QUERY DELETED. -- User has entered ¬S before a ¬X program request. His previous input lines, if any, are not retained. He may start over on a new query, etc.

CORRECTION PROCESSED. -- User has entered ¬nn (REPL LINE), line number nn was replaced by the user's text.

INVALID CORRECTION MESSAGE. -- User has entered ¬nn (REPL LINE), but nn was not a valid number. The line was ignored, and the user should reenter the correction line in a valid form. He may enter ¬S and start over.

SECOND LOGICAL NOT INVALID IN CORRECTION. -- User has entered a program request on the same line with an IMQ

correction line. The input was ignored. Reenter the correction line, omitting the second logical not.

CORRECTION LINE CANNOT BE PRECEDED BY BLANKS. -- User has entered blanks prior to the nn. The input data was ignored and the user should reenter the correction line, omitting the leading blanks.

INV CNTRL MSG, REENTER LINE. -- User has entered ¬X program request, but X is not in the tables of valid program names. The line was ignored. The user should enter a valid request.

TIME hh mm ss SECS xxx.xx. -- User has entered ¬T. The first field is time of day, the second is the elapsed time since the most recent previous ¬X program request (if any). If that program has completed, xxx.xx is the total processing time in seconds and hundredths of a second.

I/O ERR, MSG IGNORED. -- A data error occurred while reading the user's entry. This is not under his control, and he should reenter the line.

NO DATA ON THE OUTPUT MESSAGE QUEUE -- A request for the TPDUMP program is entered when there is no data on the output message queue.

6.1.3 System Operator's Console - TP Monitor/Supervisor Advisory/Diagnostic Messages

TP TERMINALS OPEN. -- Operator can load TP Supervisor job.

TP STANDING REQUEST. REPLY 'MSG', 'PRTY', 'TPS', or 'TPM'. --Operator can ignore. When it is desired to remove TP Supervisor for the purpose of reloading it, reply TPS to cause normal end-of-job. When desired to stop the TP application entirely, reply TPM. The reply of MSG is used when a message is to be sent to a terminal. The reply of PRTY is used to change terminal priorities.

ERROR CODES

TP SUPERVISOR READY. -- Operator can ignore, or load a second TP Supervisor job, etc.

2250/2260 WRITE ERROR, IGNORED. -- Operator can ignore. Repeated occurrences may indicate a need for IBM FE attention to a problem in the 2250/2260 hardware.

TOO MANY TERMINALS FOR WAIT LIST. -- TERMLIST SYSIN card assigned more than 99 terminals to this TP Supervisor. Reduce the number and reload TPSUP. The number 99 is an assembly parameter.

INVALID KEYWORD IN CONTROL CARD. -- SYSIN card does not begin

```
TERMLIST        ALL
          =     USE
PROGLIST        DELETE
```

correct it and reload TPSUP.

INVALID ITEM REQUESTED - XXXXXXXX. -- SYSIN card contained an invalid terminal name or program name, where XXXXXXXX is the name. Correct it and reload TPSUP.

NO STMT TERMINATOR ON LAST CARD. -- SYSIN card that says USE or DELETE has no names in list. Insert names or change to ALL, and reload TPSUP. BLDL ERROR -- I/O error while searching JOBLIB directory. Reload TPSUP, possibly altering the JOBLIB DD cards in the TPSUP job deck.

TP MONITOR NOT INITIALIZED. -- TP Supervisor job was started before the TP Monitor job. Load the TP Monitor if not already loaded, and wait for the message TP TERMINALS OPEN. Then reload TP Supervisor job.

END OF OUTPUT QUEUE, PROBLEM PROGRAM TERMINATED -- Further output to the Output Message Queue is stopped. User may page through the Output Message Queue or dump the Output Message Queue. A record has been written by TPSUP at the end of the Output Message Queue, with the following format -- ***TERMINATION RECORD GENERATED BY TPSUP AT END OF OUTPUT MSG QUEUE***

5010 TP MONITOR HAS TERMINATED NORMALLY.

The TP Monitor has terminated normally as the result of the computer operator replying TPM to the outstanding TP reply ID. The UTTPDRVR control program will also end as a result of this condition. No user action is required.

5020 TP SUPERVISOR HAS TERMINATED NORMALLY.

The TP Supervisor has terminated normally as a result of the computer operator replying TPS or TPM to the outstanding TP reply ID. No user action is required.

5015 TPMON HAS ABENDED. S000 U0000.

The TP Monitor task has ABENDED with an S000 or U0000 error code. The TP Supervisor task will be terminated, and both TPMON and TPSUP will be automatically restarted. If the ABEND persists contact the NIPS Technical Assistance Group for programming support.

5025 TPSUP HAS ABENDED. S000 U0000. Same as message 5015.

5027 TP TERMINAL USERS STILL SIGNED ON. SHOULD TP BE RESTARTED - REPLY YES OR NO.

*** ACTION REQUIRED BY OPERATOR *** The TP Supervisor has terminated as a result of the computer operator replying TPS or TPM to the outstanding TP reply ID; however, terminal users were still active. The operator must reply with one of the following options:

YES The TP Monitor and Supervisor will be restarted.

NO The TP tasks will come to a normal completion, and the UTTPDRVR program will end.

5028 TP MONITOR/SUPERVISOR ABEND. MAXWAITS VALUE EXCEEDED

The TP Monitor/Supervisor task has ABENDED with a S0C1 because the number of multiple wait entries has been exceeded. A high level of system activity caused this ABEND, and the Systems Programmer must increase the number of wait entries to prevent the ABEND from re-occuring.

The following steps must be followed to increase the number of multiple wait entries:

1. Increase the number of multiple wait entries in the QTPEQUS macro. The default value is the distributed system is 100 entries. This value must be increased in the QTPEQUS macro.

2. Assemble and linkedit the following TP programs using the revised QTPEQUS macro:

TPACCESS	TPSUPEX
TPMLIST	TPSUPSTP
TPPAGE1	TPSUPINI
TPSUPCLP	

3. Regenerate the TP Monitor and Supervisor using the assemble programs from step 2.

6.1.4 TP Monitor/Supervisor ABEND Codes

301 Cause - An ECB already has a wait bit set (System ABEND).

Action - If this is a second TPSUP job, the same terminal is on both TERMLIST cards. If this is the only TPSUP job, TPSUP was canceled by the operator but TPMON was not canceled. Cancel TPMON; reload with PARM=C; rel

778 Cause - Error in initialization of TP Supervisor.

Action - Message is on console. Correct and reload TPSUP.

2000 Cause - I/O error on read/write of Input Message Queue.

Action - Cancel TPSUP; reload TPMON with PARM=C; reload TPSUP.

2004 Cause - Unable to open Input Message Queue.

Action - Occurs before TPSUP loaded. Reload TPMON, same PARM, or different if desired.

2008 Cause - I/O error formatting Input Message Queue.

Action - Same as 2004.

2012 Cause - Unsuccessful SPAR (Specify Attention Routine).

Action - Same as 2004.

2020 Cause - Error in signon procedure for 3270 terminal.

Action - Check TPMON generation for valid UCB address for 3270. Correct and regenerate TPMON.

6.1.5 DUMP Error Messages

If errors are discovered, a self-explanatory numbered message (single digit) will be displayed. Following all error messages, the input command will be displayed. The error number will appear under terms in error. If errors are found, DUMP will terminate and the IMQ will not be scratched. If no errors are found, the IMQ will be scratched. The following numbered error messages may be displayed by DUMP:

ERROR CODES

1 - INVALID TERM IN REQUEST

2 - OMQ LINE NUMBER REQUEST IS TOO LARGE

3 - OMQ LINE NUMBER IS GREATER THAN OMQ LINE COUNT

4 - TWO DDNAMES FOUND IN REQUEST, INVALID

5 - OMQ LINE NUMBER IS LESS THAN PREVIOUS

(DDNAME) IS AN ILLEGAL DDNAME FOR DUMP. REQUEST IGNORED.

Cause - The specified DDNAME is a reserved data set in the TPSUP procedure.

Action - The OMSGQ is not dumped. Specify another DDNAME or simply enter ¬ D to dump it to SYSONLIN or SYSPRINT.

(DDNAME) DD IS NOT IN THE TPSUP JOB.

Cause - The specified DDNAME was not included in the TPSUP JCL.

Action - The default DDNAME of SYSONLIN or SYSPRINT is assumed.

(DDNAME) DD IS BEING USED TO DUMP YOUR OMSGQ.

Cause - This message will always appear when a valid DDNAME has been found to dump to.

Action - None.

CANNOT DUMP OUTPUT QUEUE

Cause - I/O error encountered.

Action - OMSGQ is not changed. Action may be retried.

YOUR STOP REQUEST ACKNOWLEDGED. TPDUMP CANCELED.

Cause - A STOP request (¬S) was entered.

Action - TPDUMP is terminated. The OMSGQ is saved.

6.1.6 BLAST Error Messages

If an error is encountered by BLAST, a self-explanatory message will be returned and BLAST will terminate.

If BLAST terminates due to an error, the message -

BROADCAST TERMINATED. NO ACTION TAKEN.

will be returned and the IMQ will not be scratched.

If BLAST completes successfully, the message -

BROADCAST DONE, INPUT SCRATCHED.

will be returned and the IMQ will be scratched. This message will also be returned if a nonpriority message was sent to more than one terminal and at least one but not all received terminals were busy.

The following error messages may be returned by BLAST:

NO IMQ DATA TO COPY.

NO OMQ DATA TO COPY.

INVALID KEYWORD IN REQUEST - xxxx

TERMINAL NAME NOT FOUND - xxxx

NO TERMINALS SPECIFIED.

INVALID TERMINAL NAME - xxxx

ALL RECEIVE TERMINALS BUSY.

UNABLE TO LOCATE OMQ.

UNEXPECTED END OF REQUEST. PERIOD IS MISSING OR NO REQUEST ON IMQ.

ERROR CODES

DISK SPACE NOT AVAILABLE FOR QUEUE.

I/O ERROR COPYING QUEUE.

SYSTEM ERROR. NUMBER OF RECEIVING TERMINALS EXCEEDS 50.

If BLAST terminates due to an error, the message

BROADCAST TERMINATED. NO ACTION TAKEN.

will be returned and the IMQ will not be scratched.

If BLAST completes successfully, the message

BROADCAST DONE, INPUT SCRATCHED.

will be returned and the IMQ will be scratched.

6.1.7 UTILITY ERROR Messages

A diagnostic message will be returned from the TP Utility function to indicate the status of the user's request.

INVALID REQUEST

Cause - A request has been made to execute a CP/67 command, however, the NIPS TP job is not running on a CP/67 computer in CMS mode.

Action - None.

INVALID OPERAND

Cause - A request was made to issue a CP command with an invalid operand.

Action - Determine proper operand format and reenter.

CP COMMAND UNSUCCESSFUL

ERROR CODES

Cause - A requested CP COMMAND WAS ISSUED BY NIPS TP, however, the command was not executed successfully by the CP/67.

Action - Determine cause for unsuccessful execution and reenter.

CP COMMAND EXECUTED

Cause - A request to issue a CP/67 command was processed successfully.

Action - None.

INVALID CP COMMAND

Cause - A request was made to issue an invalid CP command.

Action - Determine proper format and reenter.

6.2 QUIP Error Messages

QUIP error messages consist of two categories of messages as follows:

6.2.1 QUIP Error Diagnostic Messages

Quick Inquiry Processor (QUIP) error diagnostic messages are displayed in the following format:

```
   S    C   L            D I A G N O S T I C S

 sss  ccc   1        Message-------------------

                          Message cont'd--------
```

where sss = the source statement (input line) number.

ERROR CODES

ccc = points to the high-order character position of the term in error or to an operator with invalid operands.

l = the error level code which is interpreted as follows:

Ø- advisory message

1- warning, default assumed, will execute

2- minor error, error scan will continue, query will not be executed

4- major error, will attempt to continue error scan, query will not be executed

8- terminal error, serious error which will cause run to be terminated.

The error messages are, in general, self-explanatory. Cause and corrective action are implied. Selective messages have further explanation of the use of statement and character number pointers.

Error Diagnostic Messages are as follows:

000 INVALID CHARACTER IN INPUT STREAM IGNORED.

001 QUIP WAS UNABLE TO ALLOCATE A DYNAMIC SCRATCH DATA SET (SEE NOTE).

Note: The statement number is used to indicate data set

1 = SYSUT1
2 = SYSUT2
3 = SYSUT3

The character position is used to indicate the error.

Blank = Missing ID card, supply required DD card.

4 = Duplicate DSNAME, rerun job.

8 = No space on disk, clean VTOC, or supply different disk.

12 = Permanent I/O error, contact local IBM representative.

20 = Requested quantity not available, clean VTOC, or supply different disk.

002 SYSTEM ERROR - INVALID SYNTAX IN SYSTEM INTERMEDIATE WORK QUEUE.

003 INVALID NUMERIC LITERAL - THE NUMERIC LITERAL IS LONGER THAN THE FIELD WIDTH. THIS MAY ALSO BE CAUSED BY AN EXCESSIVE NUMBER OF LEADING ZEROS.

004 UNBALANCED DELIMITERS - THE END OF THE INPUT STATEMENT WAS ENCOUNTERED BEFORE THE ENDING DELIMITER, ASSUMED AT END OF STATEMENT.

005 INVALID SYNTAX - SKIPPING TO NEXT OPERATOR, OPERATOR INITIATOR, OR STATEMENT TERMINATOR.

006 MULTIPLE DEFINITION - ONLY ONE USE OF THIS OPERATOR IS PERMITTED.

007 INVALID LITERAL - THE CLASSIFICATION LITERAL IS A RESERVED WORD OR CONTAINS A

SPECIAL CHARACTER AND MUST BE ENCLOSED IN APOSTROPHES.

008 INVALID CLASSIFICATION - THE CLASSIFICATION LITERAL EXCEEDS THE MAXIMUM ALLOWED LENGTH.

009 INVALID FILE NAME - THE FILE NAME IS A RESERVED WORD OR CONTAINS A SPECIAL CHARACTER AND MUST BE ENCLOSED IN APOSTROPHES.

010 INVALID FILE NAME - THE FILE NAME EXCEEDS THE MAXIMUM ALLOWED LENGTH.

011 INVALID QUERY NUMBER - THE QUERY NUMBER MUST BE A NUMERIC LITERAL OF FOUR DIGITS OR LESS.

012 INVALID RIT NAME - THE RIT NAME IS A RESERVED WORD OR CONTAINS A SPECIAL CHARACTER AND MUST BE ENCLOSED IN APOSTROPHES.

013 INVALID RIT NAME - THE RIT NAME EXCEEDS THE MAXIMUM ALLOWED LENGTH.

014 WARNING THE NUMBER OF LINES TO BE SPACED IS LARGER THAN THE NUMBER OF LINES PER PAGE (DEFAULT=1).

016 CLASSIFICATION ERROR - THE CLASSIFICATION DOES NOT MATCH THE CLASSIFICATION OF THE FILE.

017 NOISE WORD - IGNORED.

018 INVALID SYNTAX - INPUT WORD OR LITERAL EXCEEDS THE MAXIMUM ALLOWED LENGTH - TRUNCATED TO MAXIMUM LENGTH (2250).

019 INVALID SYNTAX - INVALID LOCATION DESCRIPTION FOLLOWING A 'PAGENO' OR 'SYSDATE' OPERATOR.

ERROR CODES

020	INVALID NUMERIC LITERAL - THE NUMERIC LITERAL IS CONSIDERED TO BE OF UNREASONABLE SIZE FOR ITS USAGE. THIS MAY BE CAUSED BY AN EXCESSIVE NUMBER OF LEADING ZEROS.
021	A MAXIMUM OF 10 'HEADER' OR 'TRAILER' OPERATORS IS ALLOWED. OPERATOR IGNORED.
022	WARNING - THE SEQUENCE NUMBERS ON THE 'HEADER' OR 'TRAILER' OPERATOR ARE OUT OF SEQUENCE.
023	INVALID SYNTAX - A 'HEADER' OR 'TRAILER' OPERATOR MUST BE FOLLOWED BY A LITERAL. A NULL LITERAL IS ASSUMED.
024	WARNING - LITERAL LENGTH EXCEEDS OUTPUT LINE LENGTH, TRUNCATED TO LINE LENGTH.
025	MULTIPLE DEFINITION - THIS OPERATOR HAS ALREADY BEEN DEFINED. DEFINITION IGNORED.
026	INVALID SYNTAX - THE 'ALL' MODIFIER MUST BE FOLLOWED BY A FIELD NAME.
027	INVALID SYNTAX - THE FIELD NAME CONTAINS MORE THAN SEVEN CHARACTERS.
028	INPUT STREAM SCAN RESUMED.
029	INVALID SYNTAX - THE 'LIST' OPERATOR MUST BE FOLLOWED BY AT LEAST ONE FIELD NAME. OPERATOR IGNORED.
030	INVALID OVERRIDE - ONE OVERRIDING EDIT MASK HAS ALREADY BEEN SPECIFIED FOR THIS USAGE OF THE FIELD NAME. IGNORED.
031	SYSTEM LIMITS EXCEEDED - THE MAXIMUM COMPLEXITY OF THE OPERATOR HAS BEEN EXCEEDED. COMPILATION OF OPERATOR TERMINATED.

ERROR CODES

032	WARNING - THE NUMBER OF LINES PER PAGE REQUESTED IS BELOW THE SYSTEM MINIMUM (DEFAULT = DISPLAY MODE OF OUTPUT).
033	REQUIRED OPERATOR MISSING - THE 'CLASS' OPERATOR WAS NOT RECOGNIZED IN THE INPUT STREAM.
034	REQUIRED OPERATOR MISSING - THE 'FILE' (OR 'QUERY') OPERATOR WAS NOT RECOGNIZED IN THE INPUT STREAM.
035	INVALID SYNTAX - THE 'SORT' OPERATOR MUST BE FOLLOWED BY AT LEAST ONE FIELD NAME. OPERATOR IGNORED.
036	SEQUENCE ERROR - AN OPERATOR WHICH REFERENCES DATA MAY NOT BE USED AFTER THE 'FINAL' OPERATOR.
037	INVALID PARTIAL FIELD NOTATION - THE PARTIAL FIELD NOTATION NUMBERS MUST BE SEPARATED BY A SLASH. ASSUMED PRESENT.
038	INVALID PARTIAL FIELD NOTATION - ONLY ONE PARTIAL FIELD NOTATION NUMBER WAS SPECIFIED.
039	INVALID OVERRIDE - ONE OVERRIDING SUBROUTINE HAS ALREADY BEEN SPECIFIED FOR THIS USAGE OF THE FIELD NAME. IGNORED.
040	INVALID SUBROUTINE NAME - A SUBROUTINE NAME MUST BE SEVEN CHARACTERS OR LESS. OVERRIDING SUBROUTINE IGNORED.
041	INVALID SYNTAX - THE 'SORT' OPERATOR MUST BE TERMINATED WITH A STATEMENT TERMINATOR. END OF STATEMENT ASSUMED.
042	INVALID SYNTAX - THE 'PRINT' OPERATOR MUST BE FOLLOWED BY AT LEAST ONE 'SUM' OR 'COUNT' OPERATOR. OPERATOR IGNORED.

ERROR CODES

043	MULTIPLE DEFINITION - ONLY ONE RETRIEVAL TYPE 'IF' (OR 'FIND') OPERATOR IS ALLOWED. OPERATOR IGNORED.
044	REQUIRED OPERATOR MISSING - NO OUTPUT OPERATORS WERE RECOGNIZED IN THE INPUT STREAM.
045	INVALID PARTIAL FIELD NOTATION - THE SECOND PARTIAL FIELD NUMBER IS SMALLER THAN THE FIRST. THE ORDER WILL BE REVERSED.
046	INVALID SYNTAX - A CHARACTER APPEARED IN THE CONTINUATION COLUMN BUT AN END-OF-FILE CONDITION OCCURRED WHEN THE NEXT RECORD WAS READ. THE CONTINUATION WAS IGNORED.
047	INVALID PARTIAL FIELD NOTATION - ONE PARTIAL FIELD NOTATION HAS ALREADY BEEN SPECIFIED FOR THIS USAGE OF THE FIELD NAME. IGNORED.
048	INVALID SYNTAX - THE 'DISPLAY' OPERATOR MUST BE FOLLOWED BY AT LEAST ONE FIELD NAME, THE WORD 'SORTKEY', OR A LITERAL. OPERATOR IGNORED.
049	INVALID DD CARD OVERRIDE - THE DSNAME ON THE OVERRIDE DD CARD DOES NOT MATCH THE FILE NAME REQUESTED IN THE QUERY. THE OVERRIDING DD CARD WAS IGNORED.
050	UNABLE TO LOCATE THE REQUESTED FILE (SEE NOTE).

Note: Sequence of file search.

a. Examine DATAFILE DD card for override.
b. Examine SAMFILE DD card for override.
c. Examine catalog for requested file name.

d. Examine catalog for FFS SAM file name (zero padded to seven character, S as the eighth character).

051 SYSTEM LIMITS EXCEEDED - QUIP IS UNABLE TO DYNAMICALLY MOUNT A FILE OF MORE THAN FIVE VOLUMES (SEE NOTE).

Note: The character position is used to indicate the number of volumes in the requested file. Please confer with your Systems Maintenance Department as to what action to take.

052 INVALID UNIT ALLOCATION - UNABLE TO MOUNT THE 360 FFS SAM DATA BASE BECAUSE A UNIT WAS NOT ALLOCATED OR THE WRONG DEVICE TYPE WAS ALLOCATED. OVERRIDE THE SAMFILE DD CARD AND RERUN.

053 INVALID UNIT ALLOCATION - THE DEVICE TYPE OF THE REQUESTED FILE IS NOT ACCEPTABLE. CHECK THE CATALOG FOR ERRORS.

054 'NOGO' OPTION SPECIFIED - QUIP TERMINATED AFTER THE SYNTAX SCAN BECAUSE PARM='NOGO' WAS SPECIFIED ON THE EXEC CARD.

055 INVALID DATA SET ORGANIZATION - THE REQUESTED FILE IS NOT ISAM OR SAM ORGANIZATION.

056 INVALID UNIT ALLOCATION - UNABLE TO MOUNT THE 360 ISAM DATA BASE BECAUSE A UNIT WAS NOT ALLOCATED OR THE WRONG DEVICE TYPE WAS ALLOCATED. OVERRIDE THE DATA FILE DD CARD (SEE NOTE).

Note: The character position of the error message is used to indicate the sequence number of a multivolume file.

ERROR CODES

057	WARNING - THE PARTIAL FIELD WILL BE APPLIED TO THE FIELD BEFORE IT IS PASSED TO THE SUBROUTINE.
058	INVALID FILE FORMAT - THE REQUESTED FILE DOES NOT CONTAIN A CLASSIFICATION RECORD.
059	INVALID FILE FORMAT - THE REQUESTED FILE DOES NOT CONTAIN A CONTROL RECORD.
060	CORE SIZE EXCEEDED - THE QUIP RUN IS UNABLE TO CONTINUE BECAUSE OF LACK OF CORE. INCREASE THE PARTITION SIZE AND REEXECUTE THE RUN.
061	I/O ERROR - AN I/O ERROR OCCURRED WHILE INITIALIZING THE DATA BASE. (SEE NOTE). Note: The character position is used to indicate the error: 8 = The data set was not found on the specified volume. 12 = A permanent I/O error occurred when processing the specified volume.
062	INVALID UNIT ALLOCATION - THE NUMBER OF VOLUMES REQUIRED FOR A 360 FFS ISAM FILE DOES NOT AGREE WITH THE NUMBER OF UNITS ALLOCATED. OVERRIDE THE DATA FILE DD CARD (THE CHARACTER POSITION INDICATES THE NUMBER OF UNITS REQUIRED).
063	I/O ERROR - AN I/O ERROR OCCURRED DURING THE CLASSIFICATION CHECK. RUN TERMINATED.
064	SYSTEM ERROR - INVALID RECORD TYPE ON SYSUT1 QUEUE. RECORD IGNORED.
065	INVALID REQUEST - MORE THAN ONE PERIODIC SET WAS REFERENCED IN THE 'SORT' OPERATOR.

066	INVALID PARTIAL FIELD NOTATION - THE PARTIAL FIELD REQUESTED FOR THIS FIELD IS OUTSIDE THE LIMITS OF THE FIELD.
067	NO DATA FIELDS WERE REFERENCED BY THIS QUERY. QUIP TERMINATED AFTER SYNTAX SCAN.
068	INVALID UNIT ALLOCATION - THE 'FILE' (OR 'QUERY') OPERATOR INDICATED THAT A RASP QRT/QDF WAS TO BE USED AS INPUT. HOWEVER, THESE DATA SETS WERE NOT DEFINED BY 'QRTFILE' AND 'QDFILE' DD CARDS.
069	INVALID PARTIAL FIELD NOTATION - PARTIAL FIELD NOTATION IS NOT ALLOWED ON BINARY OR COORDINATE FIELDS.
070	SLIB ERROR - QUIP WAS UNABLE TO LOCATE THE SUBROUTINE LIBRARY OR A PERMANENT I/O ERROR OCCURRED WHILE CHECKING THE SUBROUTINE ATTRIBUTES.
071	CONVERSION SUBROUTINE ERROR - QUIP WAS UNABLE TO LOCATE CONVERSION SUBROUTINE SPECIFIED FOR THIS FIELD.
072	CONVERSION SUBROUTINE ERROR - THE FIELD TYPE DOES NOT MATCH THE INPUT TYPE REQUIRED BY THE CONVERSION SUBROUTINE.
073	CONVERSION SUBROUTINE ERROR - THE FIELD LENGTH (AFTER APPLYING PARTIAL FIELD NOTATION IF SPECIFIED) DOES NOT MATCH THE INPUT LENGTH REQUIRED BY THE CONVERSION SUBROUTINE.
074	CONVERSION SUBROUTINE ERROR - THE SPECIFIED SUBROUTINE IS NOT FOR OUTPUT CONVERSION.
075	OUTPUT LINE SIZE EXCEEDED - THE LENGTH OF THE OUTPUT LINE HAS BEEN EXCEEDED. COMPILATION OF OPERATOR TERMINATED.

ERROR CODES

076	INVALID SYNTAX - THE QUERY NAME OR RIT NAME FOLLOWING THE 'LOAD' OPERATOR MUST BE ENCLOSED IN APOSTROPHES. ASSUMED PRESENT.
077	INVALID SYNTAX - THE QUERY NAME OR RIT NAME FOLLOWING THE 'LOAD' OPERATOR MUST NOT EXCEED SEVEN CHARACTERS.
078	ILLEGAL SORT KEY - THE LENGTH OF THE SORT KEY MAY NOT EXCEED 210 BYTES.
079	ILLEGAL REQUEST - THE 'SORT' OPERATOR MAY NOT CONTAIN THE KEY WORD 'SORTKEY' OR THE RESULT OF 'COMPUTE' OPERATORS.
080	INVALID SYNTAX - ARITHMETIC OPERATOR WAS NOT RECOGNIZED.
081	SYSTEM LIMITS EXCEEDED - THE LABEL FOR THIS FIELD WAS DROPPED BECAUSE OF LABEL TABLE OVERFLOW.
082	INVALID PARTIAL FIELD - PARTIAL FIELD MAY NOT BE SPECIFIED FOR OUTPUT 'IF' OPERATOR UNLESS THE 'SORT' OPERATOR WAS USED.
083	INVALID REQUEST - THE KEYWORD 'SORTKEY' MAY NOT BE SPECIFIED UNLESS THE 'SORT' OPERATOR IS USED.
084	NAME NOT LOCATED - THE REQUESTED FIELD NAME IS NOT IN THE FFT.
085	I/O ERROR - AN I/O ERROR WAS ENCOUNTERED ON THE FFT.
086	SEQUENCE ERROR - THE 'SORT' OPERATOR MUST APPEAR BEFORE ANY REFERENCE MAY BE MADE TO 'SORTKEY'.
087	SYSTEM LIMITS EXCEEDED - THE EDIT MASK FOR THIS FIELD WAS DROPPED BECAUSE OF EDIT TABLE OVERFLOW.

ERROR CODES

088	INVALID PAGE FORMAT - THE LOCATIONS SPECIFIED FOR THE 'PAGENO' AND 'SYSDATE' OPERATORS OVERLAP.
089	INVALID SYNTAX - THE RETRIEVAL 'IF'/'FIND' OPERATOR MUST BE TERMINATED WITH A STATEMENT TERMINATOR. ASSUMED PRESENT.
090	UNBALANCED PARENTHESIS - THIS RIGHT PARENTHESIS IS NOT MATCHED TO A LEFT PARENTHESIS. IGNORED.
091	UNBALANCED PARENTHESIS - A LEFT PARENTHESIS WAS NOT MATCHED BY A RIGHT PARENTHESIS.
092	INVALID REQUEST - THE 'COUNT' OPERATOR MAY NOT BE USED AGAINST THE RESULT OF A 'COMPUTE' OPERATOR.
093	INVALID PARTIAL FIELD NOTATION - THE FIRST CHARACTER OF A FIELD SHOULD BE INDICATED BY A 1. ASSUMED TO BE 1.
094	INVALID REQUEST - THE NAME USED IN THE 'LIMIT' OPERATOR MUST BE A FIELD NAME.
095	INVALID SYNTAX - THE 'LIMIT' OPERATOR MUST BE FOLLOWED BY A FIELD NAME. OPERATOR IGNORED.
096	INVALID RELATIONAL OPERATOR - THE RELATIONAL OPERATOR IS INVALID FOR THIS OPERATOR. COMPILATION OF OPERATOR TERMINATED.
097	INVALID LITERAL - THE LITERAL FOLLOWING THE 'LIMIT' OPERATOR CONTAINS A RESERVED WORD OR SPECIAL CHARACTER AND MUST BE ENCLOSED IN APOSTROPHES.

ERROR CODES

098	INVALID PARTIAL FIELD NOTATION - THE PARTIAL FIELD SPECIFIED FOR THE LIMIT OPERATOR MUST BEGIN WITH 1.
099	INVALID REQUEST - THE FIELD SPECIFIED IN THE 'LIMIT' OPERATOR IS NOT IN THE FIXED SET OR IS NOT THE FIRST FIELD IN THE KEY.
100	INVALID LITERAL - THE INPUT LITERAL IS LONGER THAN THE FIELD IT IS TO BE COMPARED AGAINST. TRUNCATED.
101	INVALID SYNTAX - A REQUIRED STATEMENT TERMINATOR IS MISSING.
102	INVALID SYNTAX - THE SPECIFIED RELATIONAL OPERATOR REQUIRES AN OBJECT.
103	INVALID SYNTAX - THE SPECIFIED RELATIONAL OPERATOR ALLOWS ONLY ONE OBJECT.
104	INVALID SYNTAX - THE AMPERSAND INDICATING INDIRECT ADDRESSING MUST BE FOLLOWED BY A VALID FIELD NAME.
105	INVALID SYNTAX - ONLY ONE OBJECT MAY BE PRESENT WHEN USING INDIRECT ADDRESSING.
106	INVALID SYNTAX - SCANNING FOR VALID SUBJECT.
107	INVALID RELATIONAL OPERATOR - THE RELATIONAL OPERATOR 'CHANGES' IS NOT ALLOWED IN THE RETRIEVAL TYPE 'IF' OPERATOR.
108	INVALID REQUEST - THE 'SUM' OPERATOR MAY NOT BE USED AGAINST THE RESULT OF A 'COMPUTE' OPERATOR OR THE 'SORTKEY'.
109	INVALID REQUEST - ONLY NUMERIC FIELDS MAY BE USED WITH THE 'SUM' OPERATOR.

ERROR CODES

110	INVALID SYNTAX - LITERALS AND INDIRECT ADDRESSING MAY NOT BE MIXED IN THE OBJECT. IGNORED.
111	INVALID SYNTAX - THE SPECIFIED RELATIONAL OPERATOR REQUIRED TWO LITERALS IN THE OBJECT.
112	INVALID SYNTAX - THE 'LOAD' OPERATOR MUST BE TERMINATED WITH A STATEMENT TERMINATOR. THE REMAINDER OF THE INPUT WILL BE FLUSHED.
113	INVALID REQUEST - THE SUM OF THIS FIELD WILL NOT FIT IN THE SPACE ALLOCATED TO IT IN THE OUTPUT LINE. REDUCE THE NUMBER OF FIELDS IN THE 'SUM' OPERATOR.
114	CONVERSION ERROR - THE CONVERSION OF THE OVERRIDING EDIT MASK FAILED.
115	REQUIRED OPERATOR MISSING - A 'SUM' OR 'COUNT' OPERATOR WAS NOT PRINTED. THE CHARACTER POSITION INDICATES THE ID NUMBER.
116	REQUIRED OPERATOR MISSING - A 'PRINT' OPERATOR WAS USED AGAINST AN UNDEFINED 'SUM' OR 'COUNT' OPERATOR. THE CHARACTER POSITION INDICATES THE ID NUMBER.
117	INVALID REQUEST - QUIP WAS UNABLE TO LOCATE THE QUERY OR RIT REQUESTED IN THE 'LOAD' OPERATOR.
118	I/O ERROR - AN UNCORRECTABLE I/O ERROR WAS DETECTED LOADING THE SORTED QUERY.
119	SYSTEM ERROR - QUIP PASSED A POINT OF NO RETURN BEFORE IT COULD DETERMINE THAT THIS WAS A RETRIEVAL TYPE 'IF' OPERATOR. REPLACE THE 'IF' OPERATOR WITH A 'FIND' OPERATOR.

120	INVALID REQUEST - THE 'LIST' OPERATOR MAY NOT BE USED AGAINST THE RESULT OF A 'COMPUTE' OPERATOR OR THE SORTKEY.
121	INVALID REQUEST - THE SLASH INDICATED THAT ANOTHER LITERAL WAS TO FOLLOW. HOWEVER, ONE WAS NOT FOUND.
122	INVALID SYNTAX - ILLEGAL FORMAT FOR THE CIRCLE SEARCH OBJECT.
123	INVALID SYNTAX - THE 'LOAD' OPERATOR MUST BE TERMINATED WITH A STATEMENT TERMINATOR. ASSUMED PRESENT.
124	CORE SIZE EXCEEDED - THERE WAS NOT ENOUGH CORE AVAILABLE TO COMPLETE TRANSLATION OF THE LIST STATEMENT. INCREASE THE PARTITION SIZE AND REEXECUTE THE RUN.
125	INVALID SYNTAX - THE 'CHANGES' RELATIONAL OPERATOR MAY NOT BE REVISED BY USE OF 'NOT'.
126	INVALID REQUEST - THE OUTPUT TYPE 'IF' OPERATOR MAY NOT BE USED AGAINST FIELDS IN A PERIODIC SET EXCEPT WITH THE ABSENT OPERATOR.
127	INVALID REQUEST - EDITS MAY ONLY BE USED AGAINST BINARY AND DECIMAL FIELDS.
128	INVALID SYNTAX - THE LIBRARY NAME MAY NOT BE LONGER THAN 44 CHARACTERS.
129	INVALID REQUEST - A VARIABLE LENGTH FIELD MAY NOT BE USED WITH THIS OPERATOR.
130	INVALID REQUEST - THE SUBJECT OF THE 'IF' OPERATOR MUST BE A FIELD NAME OR THE SORTKEY.

ERROR CODES

131	INVALID SYNTAX - THE CLOSING PARENTHESIS FOR THE REPLACEMENT PARAMETERS IS MISSING.
132	INVALID SYNTAX - THE REPLACEMENT PARAMETERS MUST BE SEPARATED BY AN EQUAL SIGN.
133	INVALID SYNTAX - THE SECOND HALF OF THE REPLACEMENT PARAMETER IS MISSING.
134	INVALID REQUEST - A COORDINATE FIELD REQUIRES AN INPUT CONVERSION SUBROUTINE.
135	CONVERSION ERROR - THE INPUT CONVERSION OF THE LITERAL FAILED.
136	CONVERSION SUBROUTINE ERROR - THE SPECIFIED SUBROUTINE IS NOT FOR INPUT CONVERSION.
137	INVALID UNIT ALLOCATION - THE SAMFILE DD CARD DOES NOT SPECIFY DEFERRED MOUNTING. OVERRIDE THE DD CARD AND RERUN.
138	INVALID SYNTAX - A USER-DEFINED NAME OF NO MORE THAN SEVEN CHARACTERS MUST FOLLOW THE 'COMPUTE' OPERATOR.
139	INVALID SYNTAX - THE USER-DEFINED 'COMPUTE' NAME MUST BE FOLLOWED BY =, OR VALID OUTPUT LENGTH AND =.
140	UNKNOWN TYPE - THE 'COMPUTE' TYPE IS NOT ONE OF THE KNOWN TYPES.
141	SEQUENCE ERROR - THE DEFINITION OF THE 'COMPUTE' VARIABLE MUST APPEAR BEFORE ANY REFERENCE MAY BE MADE TO IT IF THE OUTPUT LENGTH IS DEPENDENT ON THE FIELD LENGTH.
142	INVALID SYNTAX - THE 'COMPUTE' OPERATOR IS NOT FOLLOWED BY THE REQUIRED NUMBER OF OPERANDS.

AD-A063 325 COMMAND AND CONTROL TECHNICAL CENTER WASHINGTON D C F/G 9/2
NMCS INFORMATION PROCESSING SYSTEM 360 FORMATTED FILE SYSTEM (N--ETC(U)
SEP 78

UNCLASSIFIED CCTC-CSM-UM-15-78-VOL-9 SBIE-AD-E100 134 NL

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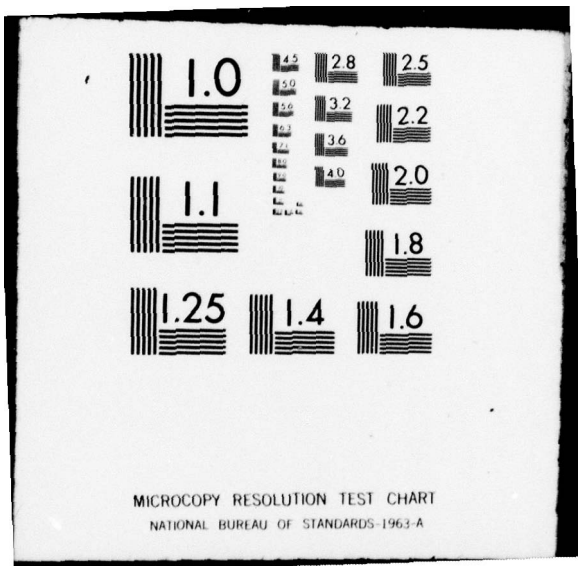
AD
A063325


1.0
1.1
1.25
1.4
1.6
1.8
2.0
2.2
2.5
2.8
3.2
3.6
4.0
4.5
5.0
5.6
6.3
MICROCOPY RESOLUTION TEST CHART
NATIONAL BUREAU OF STANDARDS-1963-A

143	INVALID REQUEST - THE OPERANDS OF A 'COMPUTE' OPERATOR MUST BE NUMERIC.
144	INVALID REQUEST - THE OPERANDS OF THE PERCENT TYPE 'COMPUTE' MUST BE FROM THE SAME PERIODIC SET.
145	INVALID UNIT ALLOCATION - THE DATAFILE DD CARD DOES NOT SPECIFY DEFERRED MOUNTING. OVERRIDE THE DD CARD AND RERUN.
146	INVALID UNIT ALLOCATION - QUIP HAS BEEN BLOCKED FROM DYNAMICALLY MOUNTING DATA FILES. OVERRIDE THE CORRECT DD CARD IN THE PROCEDURE.
147	INVALID REQUEST - QUIP WAS UNABLE TO LOCATE THE REQUESTED FILE/QUERY/RIT ANSWER SET ON THE QRT/QDF.
148	INVALID SYNTAX - THE 'FOR' OPERATOR MUST BE FOLLOWED BY A FIELD NAME.
149	INVALID SYNTAX - THE FIELD NAME IN THE 'FOR' OPERATOR MUST BE FOLLOWED BY =.
150	INVALID SYNTAX - AT LEAST ONE LITERAL MUST APPEAR WITH THE 'FOR' OPERATOR.
151	INVALID SYNTAX - PARTIAL FIELD OR SUBROUTINE SPECIFICATIONS ARE INVALID FOR THIS OPERAND. IGNORED.
152	I/O ERROR - AN I/O ERROR OCCURRED ON THE QRT. RUN TERMINATED.
153	I/O ERROR - AN I/O ERROR OCCURRED ON THE QDF. RUN TERMINATED.
154	SYSTEM LIMITS EXCEEDED - QUIP DOES NOT SUPPORT MORE THAN TWO DIMENSIONS.

155	INVALID SEQUENCE - THE * MUST BE THE LAST LITERAL IN THE 'FOR' OPERATOR WHEN IT IS USED FOR 'AUTOMATIC MATCH'.
156	INVALID LITERAL - THE FOR LITERAL MUST CONTAIN MORE THAN DOLLAR SIGNS.
157	SYSTEM LIMITS EXCEEDED - QUIP WILL NOT ALLOW A DECIMAL FIELD OF MORE THAN 15 DIGITS.
158	TRANSLATION OF OPERATOR TERMINATED - FURTHER TRANSLATION OF THIS OPERATOR WAS DEPENDENT UPON SUCCESSFUL TRANSLATION OF A PREVIOUS OPERATOR.
159	INVALID REQUEST - A LITERAL IS TOO LONG TO FIT IN THE SPACE ALLOCATED TO IT IN THE TITLE LINE.
160	INVALID REQUEST - THE RASP QRT/QDF DOES NOT CONTAIN ANY RECORDS FOR THE SPECIFIED FILE/QUERY/RIT.
161	MISSING DD STATEMENT - THE SLIB DD STATEMENT WAS NOT FOUND. THIS STATEMENT IS REQUIRED TO ALLOCATE THE QUERY OR RIT LIBRARY.
162	INVALID UNIT ALLOCATION - UNABLE TO MOUNT THE USER LIBRARY BECAUSE A UNIT WAS NOT ALLOCATED OR THE WRONG DEVICE TYPE WAS ALLOCATED. OVERRIDE THE SLIB DD CARD.
163	INVALID UNIT ALLOCATION - THE SLIB DD CARD DOES NOT SPECIFY DEFERRED MOUNTING. OVERRIDE THE DD CARD.
164	INVALID REQUEST - THE 'FOR' OPERATOR MAY ONLY REFERENCE ONE PERIODIC SET BESIDES THE FIXED SET.
165	INVALID REQUEST - THE FIELDS BEING REFERENCED MUST BE FROM THE SAME PERIODIC

	SET AS WAS REFERENCED IN THE FOR OPERATOR.
166	INVALID REQUEST - THE LIBRARY REQUESTED IS NOT LOCATABLE, OR IS NOT MOUNTABLE.
167	DATA SET BUSY - QUIP WAS UNABLE TO SHARE THE REQUESTED DATA SET. TRY THE REQUEST AGAIN AT A LATER TIME.
168	INVALID UNIT ALLOCATION - UNABLE TO FORCE QUIP SOURCE.
169	INVALID UNIT ALLOCATION - UNABLE TO FORCE MOUNTING OF THE QUERY LIBRARY BECAUSE OF MISSING DATAFILE DD CARD OR THE WRONG UNIT WAS ALLOCATED.
170	INVALID SYNTAX THE 'SUM' OPERATOR MUST BE FOLLOWED BY AT LEAST ONE FIELD NAME. OPERATOR IGNORED.
171	VOLUME NOT MOUNTED - THE TP SUPERVISOR WAS GENERATED FOR NO DYNAMIC MOUNTING OF DATA FILES. INSURE ALL VOLUMES FOR THE REQUESTED DATA FILE ARE MOUNTED AND TRY REQUEST AGAIN.
172	INVALID SYNTAX - THE DEFINITION OF WORK AREA IS INVALID. THE CORRECT FORMAT IS WORKN (SET, LENGTH, MODE).
173	ILLEGAL OPERATOR - ILLEGAL USE OF QUIP OPERATOR IN A QUIP/RIT RUN. OPERATOR IGNORED.
174	INVALID DATA SET ORGANIZATION - THE SECONDARY FILE IS NOT ISAM.
175	INVALID FUNCTION NAME - THE REQUESTED FUNCTION HAS AN INVALID NAME.

176	INVALID REQUEST - THE SPECIFICATION FOR THE NUMBER OF HORIZONTAL OCCURRENCES IS MISSING OR INVALID.
177	WARNING - USER-SUPPLIED OUTPUT LENGTH NOT VALID FOR THIS TYPE COMPUTE. SYSTEM LENGTH USED.
178	SYSTEM LIMITS EXCEEDED - QUIP IS UNABLE TO DYNAMICALLY MOUNT A SAM FILE OF MORE THAN ONE VOLUME. (SEE NOTE.) Note: The character position is used to indicate the number of volumes in the requested file. Please confer with your Systems Maintenance Department as to what action to take.
179	INVALID REQUEST - THE SPECIFICATIONS FOR SPACING ARE INVALID.
180	INVALID REQUEST - THE FIELDS WITHIN A HORIZONTAL OCCURRENCE COMBINATION MUST BE FROM THE SAME SET.
181	INVALID REQUEST - MULTIPLE HORIZONTAL OCCURRENCE SPECIFICATIONS CANNOT BE SPECIFIED MORE THAN ONCE FOR FIELDS FROM THE SAME SET.
182	INVALID SYNTAX - THE SPECIFICATION FOR MULTIPLE HORIZONTAL OCCURRENCES MUST FOLLOW A FIELD NAME OR A COMBINATION OF FIELD NAMES WHICH ARE ENCLOSED IN PARENTHESES.
183	INVALID REQUEST - USER-DEFINED OUTPUT LENGTH EXCEEDS MAXIMUM LENGTH OF 32 DIGITS. LENGTH TRUNCATED TO 32 DIGITS.
184	MISSING OPERAND - ONE OF THE REQUIRED OPERANDS FOR THE EXTRACT OPERATOR IS MISSING.

185	RESTRICTED OPERATOR - THIS OPERATOR/OPERAND IS NOT ALLOWED WITHIN THE RANGE OF THE EXTRACT OPERATOR.
186	INVALID REQUEST - EXTRACT SPECIFIED FOR RIT NOT STRUCTURED FOR IFO.
187	INVALID REQUEST - SECONDARY FILE REQUESTED IS NOT REFERENCED IN RIT.
188	INVALID REQUEST - MORE THAN NINE SECONDARY FILES REFERENCED.
189	INVALID REQUEST - THE RIT NAME SPECIFIED IN THE LOAD RIT OPERATOR IS NOT AN EXECUTABLE LOAD MODULE.
190	INVALID REQUEST - MULTIPLE FILE RITS MAY NOT BE SPECIFIED WHEN USING THE QUIP/RIT MODE OF EXECUTION.
191	INVALID REQUEST - THE RIT SPECIFIED BY THE 'LOAD' OPERATOR DOES NOT REFERENCE THE SAME FILE AS SPECIFIED BY THE 'FILE' OPERATOR.
192	INVALID SUB/TAB OVERRIDE SPECIFICATION - THE OVERRIDING SUB/TAB NAME IS BLANK.
193	INVALID KEY - THE IFOGRP POINTER DOES NOT CONSIST OF THE REQUIRED TWO FIELDS.
194	INVALID DDNAME - THE DDNAME FOR A SECONDARY FILE WAS NOT SPECIFIED CORRECTLY.
195	INVALID SYNTAX - AN EQUAL SIGN MUST FOLLOW THE EXTRACT OPERAND.
196	WARNING - THE CLASSIFICATION OF THE SECONDARY FILE DOES NOT MATCH THAT SUPPLIED BY THE USER.

197	INVALID REQUEST - THE COMPUTE RESULT IS NOT THE ARITHMETIC TYPE.
198	INVALID REQUEST - THE RIT SPECIFICATIONS FOR THE SECONDARY FILE DO NOT INCLUDE PRINT SPECIFICATIONS.
199	INVALID REQUEST - QUIP WAS UNABLE TO LOCATE THE REQUESTED SECONDARY FILE.
200	I/O ERROR - THE SECONDARY FILE WAS NOT FOUND ON THE SPECIFIED VOLUME.
201	I/O ERROR - A PERMANENT I/O ERROR OCCURRED WHILE PROCESSING THE SECONDARY FILE.
202	INVALID SYNTAX - SECONDARY FILE NOT SPECIFIED. QUIP TERMINATED AFTER SYNTAX SCAN.
203	INVALID REQUEST - NO DD STATEMENT INCLUDED FOR THE SECONDARY FILE.
204	MEMBER NAME IN LOAD QUERY STATEMENT IS INCORRECTLY BLOCKED FOR SOURCE STATEMENT DATA. THE MEMBER NAMED IS LIKELY A LOAD MODULE AND NOT A QUERY.
205	INVALID OPERATOR - FIELD NAME COMBINATION. ABSENT NOT ALLOWED WITH FIXED SET FIELDS.
206	SUBROUTINE SPECIFICATION IS NOT ALLOWED FOR THE CONTAINS OPERATOR.
207	VALUE IS NOT ALLOWED FOR THE ABSENT OPERATOR.
208	INVALID STATEMENT TERMINATOR. KEYWORD STATEMENTS MUST BE TERMINATED WITH PERIOD.

209	INVALID FIELD NAME - KEYWORD FIELDNAMES MUST BE DEFINED AS KEYWORD INDEXED FIELDS.
210	SYNTAX ERROR - UNBALANCED PARENTHESIS.
211	SYNTAX ERROR - INVALID OPERATOR, INCLUDES IS ONLY LEGAL OPERATOR FOR KEYWORD STATEMENT.
212	SYNTAX ERROR - DATA VALUE OF KEYWORD STATEMENT NOT SELF-DEFINING TERM OR LITERAL.
213	ILLEGAL KEYWORD STATEMENT. EITHER MORE THAN ONE KEYWORD STATEMENT IS PRESENT OR IT IS AFTER THE IF STATEMENT.
214	INVALID OPERATOR - FIELD NAME COMBINATION. CONTAINS NOT ALLOWED ON NUMERIC FIELDS.
215	INVALID SYNTAX - USER DEFINED SUM LENGTH INVALID.
216	INVALID FILE ACCESS - USER DOES NOT HAVE PROPER AUTHORITY TO ACCESS FILE. QUIP TERMINATED.
217	OPT MSG GENERATED BY VALIDATION ROUTINE. MSG SAVED IN TCT AB4/APA BY IPT200.
218	INVALID NAME - THE NAME FOR THE SUBFILE IS NOT A VALID NIPS NAME.
219	ALLOCATION ERROR - ALLOCATION OF THE SUBFILE DATA SET WAS NOT SUCCESSFUL.
220	THE SECONDARY INDEXING FEATURE OF RETRIEVAL WILL BE BYPASSED. THE REASON CODE IS PRINTED IN THE STATEMENT NUMBER COLUMN.

ERROR CODES

Note: Codes are:

1 - There are no Index Field Descriptor Records in the file even though the file B-record indicates the file is indexed. This is a system error.

2 - There is no core available for the Secondary Indexing work area. Increase the region size.

221 DATA SET NOT FOUND - THE REQUESTED SUBFILE COULD NOT BE LOCATED.

222 DUPLICATE SUBFILE NAME - THE NAME SPECIFIED FOR THE SUBFILE HAS ALREADY BEEN ASSIGNED.

223 INVALID USE OF OPERATOR - ONLY ONE SUBFILE OPERATOR IS ALLOWED IN A QUERY.

224 INVALID REQUEST - 'SUBFILE' DD STATEMENT NOT FOUND.

225 INVALID USE OF OPERATOR - THE SUBFILE OPERATOR WAS USED WITHOUT A RETRIEVAL TYPE OPERATOR IN THE QUERY.

227 BAD CALL TO INSTALLATION VALIDATION SUBROUTINE.

228 INVALID COORDINATE OVERLAP - POINT TO POINT, LINE TO POINT, AND POINT TO LINE COMPARISONS ILLEGAL WITH OVP OPERATOR.

229 SYSTEM LIMITS EXCEEDED - THE MAXIMUM NUMBER OF FUNCTION ARGUMENTS HAS BEEN EXCEEDED.

230 INVALID REQUEST - THE FUNCTION ARGUMENT MAY NOT BE FROM THE 'SORTKEY' OR THE RESULT OF A 'COMPUTE' OPERATOR.

231	SYNTAX ERROR - INVALID FUNCTION PARAMETER LIST ENTRY.
232	SYNTAX ERROR - A MAJOR SYNTAX ERROR OCCURRED IN THE FUNCTION PARAMETER STRING.
233	FUNCTION NOT LOCATED - THE REQUESTED FUNCTION CAN NOT BE LOCATED.
234	INVALID USE OF COORDINATE LITERAL - THE FIELD AGAINST WHICH THE LITERAL IS TO BE COMPARED MUST BE EITHER A LATITUDE OR A LONGITUDE.
235	WARNING - OBJECT IS LONGER THAN BINARY FIELD AGAINST WHICH IT IS TO BE COMPARED. CONVERSION OF OBJECT TO INTERNAL FORMAT HAS PERMITTED RETRIEVAL TO PROCEED NORMALLY.
236	WARNING - LEADING ZEROS OR ALGEBRAIC SIGN CAUSED INPUT LITERAL TO EXCEED LENGTH OF FIELD AGAINST WHICH IT IS TO BE COMPARED. ZEROS HAVE BEEN TRUNCATED OR THE SIGN HAS BEEN INCORPORATED.
237	CONVERSION SUBROUTINE ERROR - ERROR OCCURRED DURING EXECUTION OF SPECIFIED INPUT SUBROUTINE.
238	CONVERSION SUBROUTINE ERROR - ERROR OCCURRED DURING EXECUTION OF SPECIFIED INPUT SUBROUTINE.
239	CONVERSION SUBROUTINE ERROR - ARGUMENT OF INPUT SUBROUTINE EXCEEDS MAXIMUM SIZE EXPECTED BY THAT ROUTINE.
240	CONVERSION SUBROUTINE ERROR - MODE OF FUNCTION FROM INPUT SUBROUTINE CONFLICTS WITH THAT OF SUBJECT FIELD.

241	CONVERSION SUBROUTINE ERROR - QUIP DOES NOT PRESENTLY SUPPORT INPUT SUBROUTINES WHOSE ARGUMENTS ARE BINARY OR COORDINATE.
242	CONVERSION SUBROUTINE ERROR - THE FUNCTION FROM THE SPECIFIED INPUT SUBROUTINE EXCEEDS SIZE OF FIELD (AFTER APPLYING PARTIAL FIELD NOTATION IF SPECIFIED).
243	INVALID COORDINATE LITERAL - COORDINATE LITERAL IS OF IMPROPER FORM.
244	INVALID USE OF GEOGRAPHIC OPERATOR - GEOGRAPHIC OPERATORS REQUIRE SUBJECTS IN COORDINATE MODE.
245	INVALID LITERAL - THE LITERAL USING THE UNIVERSAL MATCH CAPABILITY IS LONGER THAN THE FIELD AGAINST WHICH IT IS TO BE COMPARED (AFTER APPLICATION OF PARTIAL FIELD NOTATION IF SPECIFIED).
246	INVALID USE OF UNIVERSAL MATCH CAPABILITY. THE UNIVERSAL MATCH CAPABILITY MAY NOT BE APPLIED WITH LITERALS REQUIRING INPUT SUBROUTINES.
247	INVALID USE OF UNIVERSAL MATCH CAPABILITY - THE $ MAY NOT BE USED AS A UNIVERSAL MATCH CHARACTER AGAINST BINARY OR COORDINATE FIELDS.
248	INVALID LITERAL - LITERALS CONTAINING SPECIAL CHARACTERS MUST BE ENCLOSED IN SINGLE QUOTES.
249	INVALID COORDINATE LITERAL - COORDINATE LITERAL CONTAINS INVALID CHARACTER.
250	INVALID NUMERIC LITERAL - NUMERIC LITERAL CONTAINS INVALID NONDIGIT CHARACTER.

251	INVALID USE OF COORDINATE LITERAL - COORDINATE LITERALS ARE REQUIRED TO BE EITHER A LATITUDE OR A LONGITUDE WHEN NOT APPEARING AS THE OBJECT OF A GEOGRAPHIC OPERATOR.
252	INVALID NUMERIC LITERAL - BINARY AND DECIMAL LITERALS MAY NOT BE ENCLOSED IN QUOTES.
253	IF STATEMENT ERROR - ONLY TWO SETS MAY BE REFERENCED IN A SINGLE CLAUSE. IF TWO ARE REFERENCED ONE MUST BE THE FIXED SET.
254	IF STATEMENT ERROR - SUBJECT AND OBJECT MODES ARE NOT COMPATIBLE. ALPHA DECIMAL AND COORDINATE SUBJECTS REQUIRE ALPHA, DECIMAL AND COORDINATE OBJECTS, RESPECTIVELY. BINARY SUBJECTS REQUIRE BINARY OR DECIMAL OBJECTS.
255	FEATURE NOT YET AVAILABLE - THIS FEATURE HAS NOT YET BEEN MADE AVAILABLE IN QUIP.
256	INVALID SUBFILE RESTART - SUBFILE ALREADY ACTIVE. SIGNOFF REQUIRED FIRST.
257	SUBFILE RESTART FAILURE - CANNOT ALLOCATE REQUESTED DATA SET.
258	INVALID SUBFILE RESTART - SIGNON MUST BE FIRST AND ONLY STATEMENT.
259	SUBFILE TRACE - TRACE MUST BE THE ONLY QUERY STATEMENT.
260	SUBFILE TRACE - UNIDENTIFIABLE STATEMENT OPERAND.
261	SUBFILE TRACE - SUBFILE FUNCTION IS INACTIVE.
262	SUBFILE TRACE - UNABLE TO LOCATE THE SUBFILE DATA SET.

263 SUBFILE TRACE - SUBFILE DATA SET OPEN FAILURE.

264 SPECIFIED INPUT SUBFILE NOT FOUND.

Note: The input subfile may be:

a. The subfile name specified in the SUBFILE parameter was not found in the currently active subfile PDS.

b. During TRACE or SUBFILE RESTART, the NIPS system member FILE (or SUBFILE) was not found in the subfile PDS.

266 INVALID REFERENCE - THE SORT OPERATOR REFERENCED A FIELD FROM A PERIODIC SET WHICH WAS NOT RETRIEVED WITH A RETRIEVAL STATEMENT.

267 ADVISORY MESSAGE - INSUFFICIENT CORE TO BUILD AN INCORE FET FOR THIS FILE. CONTINUED PROCESSING ATTEMPTED.

269 ALLOCATION FAILURE - DYNAMIC ALLOCATION OF THE DATA FILE WAS UNSUCCESSFUL.

270 ALLOCATION FAILURE - DYNAMIC ALLOCATION OF THE FILE OR LIBRARY FAILED SINCE SPACE WAS UNAVAILABLE IN THE TASK INPUT OUTPUT TABLE (TIOT).

271 ALLOCATION FAILURE - THE SECONDARY FILE REQUESTED IS NOT AVAILABLE.

272 ALLOCATION FAILURE - DYNAMIC ALLOCATION FOR A SECONDARY FILE WAS NOT SUCCESSFUL.

273 ALLOCATION FAILURE - DYNAMIC CONCATENATION OF A FILE LIBRARY WAS NOT SUCCESSFUL.

274 ALLOCATION FAILURE - FILE LIBRARY IS NOT AVAILABLE AT THIS TIME.

275	INVALID FILE REQUEST - ALTERNATE I/O IS REQUIRED FOR ALL FILES IN A QUERY. A REFERENCE HAS BEEN FOUND FOR A FILE THAT DOES NOT REQUIRE ALTERNATE I/O.
276	INVALID FFT NAME- THE FFT NAME SPECIFIED IS NOT A VALID NAME.
277	DD STATEMENT NOT FOUND- A DATA DEFINITION STATEMENT IS REQUIRED FOR EACH FFT REFERENCED IN THE QUERY.
278	INVALID DD STATEMENT- THE DSNAME ON THE FFT (OR FFTN) DATA DEFINITION STATEMENT DOES NOT MATCH THE FFT NAME SPECIFIED IN THE QUERY.
279	FFT NOT FOUND - THE REQUESTED FFT WAS NOT LOCATED
280	INVALID DATA SET ORGANIZATION - THE DATA SET SPECIFIED FOR THE FFT IS NOT AN ISAM DATA SET.
281	ERROR PROCESSING FFT - AN ERROR WAS ENCOUNTERED IN PROCESSING A NON-NIPS FFT. QUERY TERMINATED ABNORMALLY.
282	INVALID PBSIZE - THE VALUE ENTERED FOR PROCESS BLOCKSIZE IS NOT VALID. THE QUIP DEFAULT SIZE IS USED.
283	VIEW DATA SET MEMBER NAME IS NOT A VALID NIPS NAME.
284	UNABLE TO OPEN THE VIEW DATA SET. THE DCB ATTRIBUTES MAY BE INVALID OR THE MENUSET DD STATEMENT MAY BE MISSING.

6.2.2 QUIP Control and Program Messages

1000	SORT TERMINATED BY LACK OF DISK (2).

Cause - QUIP was unable to allocate temporary sort work areas on the unit specified by the SYSUT2 DD statement of the procedure.

Action - Allocate SYSUT2 to a disk that contains more space.

1001 SORT TERMINATED BY LACK OF DISK (3).

Cause - QUIP was unable to allocate temporary sort work areas on the unit specified by the SYSUT3 DD statement of the procedure.

Action - Allocate SYSUT3 to disk that contains more space.

1002 (IPSRTINT - INIT DSECT, SORT WORK DSECT, PROCESS BLOCK)

Cause - Not enough core for one of the three above work areas.

Action - Increase region size on the JOB card and rerun the job.

1003 LOADING TERMINATED BY LACK OF CORE.

Cause - Self-explanatory.

Action - Increase region size on the JOB card and rerun the job.

1004 SYSTEM SORT ERROR.

Cause - A system error in building the sort key.

Action - Contact a System Maintenance Programmer for assistance.

1005 QUIP TERMINATED BY LACK OF CORE.

Cause - Self-explanatory.

Action - For MVT or VS2 operating systems, increase the region size on the job card. For MFT or VS1 operating systems, run the job in a larger partition.

1006 OUT OF SPACE ON SORT KEY FILE - NEXT REC ID-

Cause - Self-explanatory.

Action - Increase the space parameter (QRTSP) for the QRT.

1007 ADVISORY MESSAGE. NO CORE AVAILABLE TO DO A SETL READ OF THE INPUT FILE. INCREASE REGION BY 1K (IPX000I).

Cause - There is no core available to build the limit key for the SETL macro. The file must be read sequentially from the very beginning.

Action - Increase the job region size by 1K.

1008 SYSTEM ERROR. CANNOT LOCATE AN SX CANDIDATE IN THE FILE (IPX000I/IPX000S).

Cause - The input file EOF was reached before all candidates in the Secondary Indexing Candidate List were retrieved.

Action - Contact system maintenance for problem analysis.

1009 SYSTEM ERROR. I/O ERROR READING THE SX CANDIDATE LIST (IPXCAND).

Cause - An attempt to read the Secondary Indexing Candidate List resulted in a SYNAD error exit.

Action - Rerun the job. If the problem persists, contact system maintenance for further analysis.

1010 SYSTEM ERROR READING SORT QUEUE.

Cause - I/O error during sort phase.

Action - Rerun the job and contact the customer engineer if error persists.

1011 SYSTEM ERROR. COULD NOT LOCATE THE COMPLETE IF/FIND STATEMENT ON SYSUT1 FOR THE SECONDARY INDEXING EXECUTIVE (IPXIXP).

Cause - A record was read from SYSUT1 containing a continuation indicator; however, another record with the same read-back key could not be found.

Action - Contact system maintenance for further analysis.

1012 QUIP WILL DELAY 5 SECS. AND PROCEED WITH SPACE AVAILABLE.

Cause - No space to allocate work area. Online QUIP will wait 5 seconds and try again.

Action - None.

1020 NO RECORDS PASSED THE LIMITS.

Cause - The query LIMIT statement excluded all records.

1021 NO RECORDS QUALIFIED.

Cause - No records met the conditions of the query.

1039 PBSIZE PARAMETER WAS ENTERED INCORRECTLY ON THE EXEC CARD. SIZE DEFAULTED TO 10000 BYTES.

Cause - Self-explanatory.

Action - The correct format is:

PARM='PB=nK' or PARM='PBSIZE=nK' where 'n' is between 1 and 99.

1040 PERMANENT I/O ERROR WHILE PROCESSING VOLUME CONTAINING LIBRARY.

Cause - Error detected during execution of the OBTSIN macro.

Action - Rerun job and contact customer engineer if error is repeated.

1041 PROCESS BLOCK EXCEEDS MAX SIZE. FIXED SET FOR BLOCK IS - (1st 56 characters).

Cause - The processing block for the specified record exceeded the PBSIZE indicated on the EXEC card, or, if the PBSIZE was not specified, the block exceeded the default size of 10K bytes.

Action - Increase the PBSIZE on the EXEC card. The format is:

PARM='PB=nK' or PARM='PBSIZE=nK' where 'n' is between 1 and 99.

1042 REQUIRED VOLUME OR LIBRARY NOT MOUNTED.

Cause - Self-explanatory.

Action - Rerun job with complete operator instructions.

1043 LIBRARY DATA SET NOT FOUND ON SPECIFIED VOLUME.

Cause - The data set was either scratched, not kept, or not generated, or the wrong volume was specified on the DD card.

Action - Correct the JCL or rebuild the data set.

1044 I/O ERROR ON QDF.

Cause - Self-explanatory.

Action - Rerun job.

1045 I/O ERROR ON QRT.

Cause - Self-explanatory.

Action - Rerun job.

1046 RUN TERMINATED BY SYSTEM CODE nnn.

Cause - Self-explanatory. (MSG. generated by QIPERR)

Action - See System Maintenance Programmer.

1050 RUN TERMINATED BY SYSTEM CODE

Cause - Self explanatory. (MSG. generated by QIPERR)

Action - See System Maintenance Programmer.

1051 UNABLE TO OPEN filename.

Cause - Self-explanatory. (MSG. generated by QIPERR)

Action - Correct the problem and rerun.

1052 UNABLE TO MOUNT filename.

Cause - Self-explanatory (MSG. generated by QIPERR.)

Action - Correct the problem and rerun.

1053 QUIP TERMINATED BY USER ABEND CODE nnnn.

Action - See Section 6.2.3, QUIP User ABEND Codes, for explanation.

1054 LACK OF CORE FOR EXPANSION OF COMPRESSION COMPACTION DATA RECORDS.

Cause - The problem occurred in the NIPS system subroutine IPBLDPB where an attempt was made to obtain core for the expansion of a C/C record.

Action - Increase the region size and rerun the job.

1055 COMPRESSION COMPACTION RECORD CANNOT BE EXPANDED. RECORD=XXXXXXXXXXXXXX.

Cause - The UTEXPAND utility was unable to expand the data record identified following 'RECORD=' in the message.

Action - Probable program logic error. Consult NIPS System Maintenance group.

1056 QUERYLIB DD STMT NO LONGER USED TO STORY QUERY. NO LIBRARY ACTION TAKEN.

Cause - The user attempted to store a query by using the defunct QUERYLIB DD statement.

Action - See Section 10, Utility Support, Volume VII of the NIPS Users Manual for the procedure for storing the query.

1057 SUBFILE PDS SPACE EXCEED - D37.

Cause - A subfile PDS WRITE resulted in a system D37 ABEND.

Action - SIGNOFF to scratch the existing PDS, then SIGNON with SUBFILE to allocate a new PDS. If this error occurs frequently, see the system programmer to allocate more space for the PDS.

1058 NO DIRECTORY SPACE AVAILABLE FOR SUBFILE PDS. SUBFILE NOT CREATED.

Cause - The directory of the subfile partitioned data set has been filled. No entry could be made for the requested subfile.

Action - No new subfile can be added to the subfile partitioned data set. See systems programmer concerning the allocation of more directory space for future subfile processing.

1059 I/O ERROR UPDATING DIRECTORY OF SUBFILE PDS. SUBILFE NOT CREATED.

Cause - An attempt to update the directory of the subfile partitioned data set resulted in an I/O error.

Action - Rerun the query. If the problem persists, contact system maintenance for further analysis.

1060 CATALOG OF PDS NOT SUCCESSFUL. SIGNON RECOVERY WILL NOT BE POSSIBLE.

Cause - An attempt to catalog the subfile partitioned data set just allocated failed.

Action - Subfile creation and processing can proceed, but in the event a restart of the TP control program is required the subfile PDS previously created will not be available.

1061 DUPLICATE SUBFILE NAME. SUBFILE NOT CREATED.

Cause - The name assigned to the subfile to be created by the current query has already been assigned to a subfile that is a member of this PDS.

Action - Change the name of the subfile and execute the query again.

1075 NO CORE FOR REQUIRED BUFFER TO INTERFACE WITH ALTIO.

Cause - 1000 bytes of storage are required for a buffer to hold a record for ALTIO. This core is not available.

Action - The query is aborted. The query may be attempted again. If the condition arises repeatedly, it may be necessary to allocate a larger region or partition to the job.

1076 INVALID RECORD TYPE FOUND--XXXXXXXXXX FOR RECORD ID

Cause - A record type (XXXXXXXXXX) was encountered which was not defined in the FPT.

Action - The record control field for the last valid record type is displayed and the record containing the invalid type is skipped.

1077 FILE OUT OF SEQUENCE. QUERY ABNORMALLY TERMINATED

Cause - The non-NIPS file was not in ascending record ID sequence.

Action - The query is terminated with a User 5 ABEND. Sort the file according to the record ID fields.

1078 MULTIPLE FIXED RECORD TYPES FOR THIS ID. ONLY ONE ACCEPTED

Cause - More than one fixed record type was encountered for a single record ID.

Action - The record ID is displayed. Only the first fixed record type is accepted for any record ID. Additional ones are skipped. Select a nonrepeating record type as the fixed record type.

1079 QUIP PRCESS BLOCK COMPLETED WITHOUT A FIXED RECORD TYPE. PROCESS BLOCK SKIPPED

Cause - No fixed record type found for a record ID.

Action - The record ID for the process block is displayed and the process block is skipped. Designate a record type as the fixed record type which is present for all record IDs.

1080 EXCESSIVE INVALID RECORD TYPE FOUND. QUERY TERMINATED

Cause - More than 50 records with invalid record types were encountered.

Action - The query is terminated.

1081 SUBFILE POINTS TO DELETED RECORD

Cause - The record with the indicated record ID has been deleted from the master file.

Action - The next subfile entry is processed. The current entry is ignored.

6.2.3 QUIP User ABEND Codes

QUIP may generate the following user ABEND codes:

ØØ1- A system ABEND ØC1 through ØCF has been intercepted by QUIP Executive SPIE.

ØØ2- A system ABEND ØC1 through ØCF has been intercepted by Translator Executive SPIE.

ØØ3- QUIP system error.

ØØ5- The non-NIPS file is out of sequence

ØØ6- An error occurred when processing a non-NIPS FPT.

Occurrence of these ABENDs will require assistance of System Maintenance Programmer for correction.

When a user has entered an invalid file classification at a terminal, the CLASSIFICATION ERROR message will be displayed and the run will be terminated. When operating in the batch partition, the following message will be displayed on the computer operator's console:

XXX WARNING *** JOB jobname STEP stepname (proc.stepname) THE OUTPUT FROM THIS JOB MAY BE INCORRECTLY CLASSIFIED.

The CLASSIFICATION ERROR message will be printed on the output and the report will be printed with the user's classification.

6.2.4 Secondary Indexing and Keyword Indexing in QUIP

In addition to the errors described in the previous sections, error conditions interpreted by Index Processing may occur. Messages describing these are found in Section 4.12, Index Processing Messages. QUIP uses the same Index Processing and Keyword Processing programs as RASP.

6.3 SODA Error Messages

The SODA error messages are in general self-explanatory. Cause and corrective action are implied. An alphabetic listing of the SODA error messages follows.

ALL UPDATED RECORDS WRITTEN ON (FILE)

Cause - This is an advisory message. All records in the HOLD FILE HAVE BEEN WRITTEN TO THE MASTER file, as a result of the user's UPDATE ALL command.

Action - The user is signed off from SODA.

ALL UPDATES TO (FILE) CANCELLED

Cause - This is an advisory message. All updates in the HOLD file are cancelled as a result of the users CANCEL ALL command.

Action - The user is signed off from SODA.

ALLOCATION FAILURE [message text] _____

Cause - The file, library or index data set specified in the message could not be allocated. The message text will include one of the following causes:

REAL STORAGE UNAVAILABLE

REQUESTED DATA SET UNAVAILABLE

VOLUME NOT MOUNTED

SPACE UNAVAILABLE IN TIOT

Action - The user will not be signed on to SODA. The user must ensure that the required data set exists, is cataloged, and is properly specified. The user may then attempt to signon again to determine if necessary resources are now available.

-AT- MISSING FROM CORRECTION CLAUSE

Cause - The AT keyword was not found for an INSERT, DELETE or CHANGE correction entry.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

CHANGES TO RECORD (RECORD ID) CANCELLED

Cause - This is an advisory message. The record specified has been cancelled as a result of the user's CANCEL command.

Action - Update of the specified record is cancelled. If this is the only record in the HOLD file, the user is signed off from SODA.

CORRECTION INPUT UNRECOGNIZABLE

Cause - A keynumber (e.g. 111,222), CHANGE DELETE, or INSERT was not found as the first value of a correction entry.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

DIRECT SUBSET UPDATE TO DELETED RECORD (KEY)

Cause - The logic statement called by the transaction uses direct subset updating.

The major record ID referenced by this transaction was deleted during this terminal session. A record matching the major record ID must exist for direct subset processing.

Action - The transaction is rejected. A new record is not generated. The user must enter ¬S to scratch the transaction from the IMQ.

DIRECT SUBSET UPDATE TO NON-EXISTENT RECORD (KEY)

Cause - The logic statement called by the transaction users direct subset updating. The major record ID referenced by this transaction does not exist in the master file. A record matching the major record ID must exist for direct subset processing.

Action - The transaction is rejected. A new record is not generated. The user must enter ¬S to scratch ths transaction from the IMQ.

DUPLICATE SUBSET, DISCARDED (SUBSET ID)

Cause - The logic statement attempted to build a duplicate subset for a set which has a subset ID defined.

Action - The new subset is deleted. The user should check the record to determine the current status. The user must enter ¬S to scratch the transaction from the IMQ before continuing.

ENTER -ALL- OR RECORD KEYS FOR -CANCEL- KEYWORD

Cause - The user has entered a CANCEL command but has not specified the ALL or record keys operand. Soda required ALL to cancel all

updates in the HOLD file, or record key(s) to cancel specific record IDs.

Action - No action is taken by SODA. The user must enter ALL or specific record key(s) in order to cotninue.

**** ERROR **** UNAUTHROIZED ATTEMPT TO UPDATE FILE -------. TYPE CANCEL ALL ¬F ENTER TO SIGNOFF

Cause - The controlled access program has detected an attempt by an unauthorized user to update the specified file.

Action - No file processing is permitted. The user must type - CANCEL ALL ¬F to sign off from this file.

FILE (FILE) COULD NOT BE SIGNED ON. YOU MUST WORK ON A DIFFERENT FILE.

Cause - The file could not be allocated for one of the following reasons:

a. There was a GETMAIN failure.

b. The file was not on the designated pack.

c. The filename was not correctly specified.

d. The file could not be opened.

Action - The user will not be signed on to SODA. The user must ensure that the required file is properly specified and is cataloged.

FILE (FILE) IS BUSY. REPEAT YOUR -UPDATE- BY TYPING ¬F ENTER. THIS RESPONSE WILL BE REPEATED UNTIL THE PRESENT USAGE TERMINATES.

ERROR CODES

Cause - The file is currently being updated by another SODA user.

Action - The file will be available as soon as the other update is complete. The user should enter ¬F to attempt the update again.

FILE (FILE) IS TAKEN BY BATCH FILE MAINTENANCE. YOU MUST WAIT FOR COMPLETION OF THE BATCH JOB. YOU MAY TYPE ¬F -ENTER TO RETRY. YOU MUST TYPE ¬S -ENTER BEFORE LEAVING THE CONSOLE OR WORKING ON A DIFFERENT FILE.

Cause - File Maintenance is currently updating the specified file in the batch mode. SODA will not be able to access the file until file maintenance has been completed.

Action - SODA is not signed on to the file. The user may type ¬F to attempt to signon again. The signon will not be successful until batch file maintenance has completed. If the user wishes to perform other TP operations or terminate the terminal session, he must first type ¬S to scratch the SODA entry from the IMQ.

(FILE NAME) - NOT AN ISAM DATA SET
FILE (FILE NAME) COULD NOT BE SIGNED ON. YOU MUST WORK ON A DIFFERENT FILE.

Cause - User tried to sign on to SODA with a SAM file.

Action - SODA is not signed on, a different file name must be specified to use SODA.

-----FILE--(FILENAME)---
ENTER REPORT NAME, TRANSACTION

Cause - The user has entered the file name specified on the first line, and must now

specify the report name to complete the signon process.

Action - SODA has not completed the signon process. The user must specify the REPORT keyword followed by the report name, ¬F to complete the signon process. The report name can be followed by a transaction, ¬F if the user is ready to enter the first transaction.

FILE AND REPORT NAME NOT SPECIFIED

Cause - The user has attempted to perform a SODA function when not signed on, or has entered erroneous signon (FILE and REPORT) keywords.

Action - The user is not signed on to SODA. He must signon to SODA before performing any SODA functions.

FILE INDEX UNAVAILABLE

Cause - The file index data set or the index data set specified in the TP JCL could not be allocated. The reason will be specified in one of the following messages:

NOT ON DESIGNATED PACK

DESIGNATED PACK NOT MOUNTED

IMPROPER INDEX JCL

UNABLE TO OPEN

VOLUMES, UNITS NOT COMPATABLE

Action - The user will not be signed on to SODA. The user must ensure that the required index data set exists, is cataloged, and is properly specified.

ERROR CODES

FILE INDEX UNAVAILABLE - INSUFFICIENT CORE AVAILABLE

Cause - Core was not available for the index data set DSECT blocks.

Action - The user is not signed on to SODA. The user should try again until core is available.

FILE LIBRARY UNAVAILABLE

Cause - The file library or a library specified in the TP JCL could not be allocated. The reason will be specified in one of the following messages.

NOT ON DESIGNATED PACK

DESIGNATED PACK NOT MOUNTED

IMPROPER LIB JCL

UNABLE TO OPEN

VOLUMES, UNITS NOT COMPATABLE

Action - The user will not be signed on to SODA. The user must ensure that the required library exists, is cataloged, and is properly specified.

FILE NAME NOT FOLLOWED BY REPORT = REPORT NAME

Cause - The file name was specified, and a SODA transaction was entered by the user before a report name has been processed.

Action - The user is not signed on to SODA. The transaction input must be scratched, and the user must enter the report keyword and report name in order to complete the signon process. If the user does not wish to complete the signon, he must enter CANCAL ALL ¬F to terminate the

partial signon process, before proceeding to any other terminal application.

FILE NAME NOT SPECIFIED

Cause - A REPORT keyword or SODA transaction was entered by the user before a file name has been processed.

Action - The user is not signed on to SODA. The input must be scratched (¬S_, and the user must enter the file and report information in order to complete the signon process. If the user does not wish to complete the signon, he must enter CANCEL ALL ¬F to terminate the partial signon process, before proceeding to any other terminal application.

---(FILE)---(REPORT)---
ENTER TRANSACTION

Cause - This is an advisory message to show that the user is signed on to the file and report specified.

Action - The user is signed on to SODA. he may now enter transactions to commence SODA processing.

I/O ERROR ON HOLD FILE.

Cause - I/O error reading key dictionary member from HOLD FILE.

Action - Retry transaction. UPDATE or CANCEL ALL, if unsuccessful.

I/O ERROR WHILE READING HOLD FILE RECORDS.

Cause - I/O error on HOLD FILE.

Action - The transaction is retained on IMQ. Retry or CANCEL.

ERROR CODES

I/O ERROR WHILE READING (FILE) (KEY).

Cause - I/O error on master file.

Action - The transaction is retained. It may be retried. If this error is persistent, the file may have to be reorganized or hardware malfunctions investigated.

CORRECTION ATTEMPT HAS BEEN MADE 6 TIMES. YOU MUST TYPE ¬S, ENTER-- AND THEN TYPE STARTOVER ¬F, ENTER -- BEFORE BEGINNING AGAIN.

Cause - User has exceeded maximum of six keynumber correction attempts.

Action - Scratch input, start SODA over again and reenter entire transaction. I/O ERROR READING (FILE).

Cause - I/O error reading master file control record.

Action - If a retry fails, and no hardware malfunction can be found, the master file should be restored from a backup prior to further updating.

I/O ERROR READING FILE (FILE) (KEY).

Cause - I/O error reading the Master File.

Action - The transaction is retained on the IMQ. It may be retried. If this error is persistent, the file may have to be reorganized or hardware malfunctions investigated.

I/O*ERR**SODA**TR1.

Cause - I/O error reading the HOLD FILE.

Action - Previous updates to this record are lost. Transaction is saved on IMQ. The transaction may be retried or CANCEL this record key and reenter this transaction.

I/O*ERR**SODA**TR2.

Cause - I/O error writing on the HOLD FILE.

Action - The update to this record is lost. UPDATE or CANCEL ALL and retry.

I/O*ERR**SODA HF1 (FILE) (TERMINAL) (KEY).

Cause - I/O error on HOLD FILE.

Action - Unable to read the Key Dictionary member. Entire HOLD FILE is canceled.

I/O*ERROR**SODA HF2.

I/O*ERROR**SODA HF3.

I/O*ERROR**SODA HF4.

Cause and Action same as previous.

I/O*ERROR**SODA HF5 (FILE) (TERMINAL) (KEY).

Cause - I/O error reading second block of Key Dictionary member.

Action - Remainder of HOLD FILE is canceled.

I/O*ERR**SODA**HF6.

Cause - I/O error writing on HOLD FILE.

Action - SODA was in the process of modifying the Key Dictionary block of the HOLD FILE. Some or all of the update may be lost. Try UPDATE or CANCEL commands.

I/O*ERROR**SODA MFX (FILE) (TERMINAL).

ERROR CODES

Cause - I/O error on HOLD FILE.

Action - UPDATE ALL was specified. One or more records could not be updated. All possible records were updated.

I/O*ERROR**SODA MF1 (FILE) (TERMINAL) (KEY).

Cause - I/O error encountered during the file update.

Action - All records which could be updated, have been.

I/O ERROR READING LOGIC STATEMENT

Cause - An I/O error was encountered attempting to read the logic statement from the master file.

Action - The transaction is not processed and remains on the IMQ. The user should attempt to execute the transaction again (enter ¬F). If the error persists, the logic statement should be recompiled or the master file should be restored from a backup file.

IO**ERR**SODA**CONSOLE CONTROL RECORD. DO NOT USE THIS CONSOLE FOR SODA. ANY UPDATED RECORDS ON THE HOLD FILE WILL NOT BE WRITTEN TO THE MASTER FILE.

Cause - An I/O error has been encountered processing HOLD file control information for this terminal. No further SODA functions can be performed from this terminal.

Action - Transactions entered to the HOLD file since the last UPDATE ALL will not be processed and must be reentered. Other TP applications can be performed from this terminal, but the terminal can not be used for SODA until the TP job is

cancelled and reinitiated. SODA functions can be performed from other terminals.

KEY HAS NO CHANGES--IGNORED-- (RECORD KEY)

Cause - The transaction processing has been completed, but the transaction did not require any changes to the specified data record. This message is issued only as an advisory message to the user.

Action - No changes were made to the master record. The user can continue normal SODA processing.

KEYNUMBER NOT ASSIGNED ON LAST ERROR LIST

Cause - The keynumber (e.g. 111,222) specified on the user SODA correction entry, was not a valid error number.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

LOGIC STATEMENT ABORTED BECAUSE OF [message text]

Cause - The logic statement terminated abnormally. The message text will include one of the following causes.

XXXX FM ERROR CODE

Check the specified FM error code

ERROR COUNT OR 25 TOTAL
More than 9 errors on transaction or 25 errors on retry.

SODA BUG--INDIRECT ADDRESSING

Indirect addressing is not allowed in a SODA logic statement.

DECIMAL TO BINARY CONVERSION ERROR

The logic statement failed in an attempt to convert to binary.

Action - The transaction processing is terminated. The hold file was not updated. The user must scratch the IMQ (¬S) before continuing.

LOGIC STATEMENT IS A RANGE STATEMENT

Cause - A range statement is not permitted in SODA.

Action - The transaction is not processed. The user must enter ¬S to scratch the transaction from the IMQ.

LOGIC STATEMENT UNIDENTIFIABLE

Cause - The logic statement specified in the user transaction could not be found on the master file.

Action - The transaction is not processed. The user should verify that the logic statement ID on the transaction is correct. If the transaction is correct, the user must add the appropriate logic statement to the file. To continue processing other transactions, the user must first scratch the IMQ (¬S).

LOGIC STATEMENT USES INDIRECT ADDRESSING

Cause - The logic statement called by the transaction include an indirect addressing statement. Indirect addressing is not permitted in SODA.

Action - The transaction is not processed. The user must enter ¬S to scratch the transaction from the IMQ.

ERROR CODES

NO ACTION TAKEN. HOLD FILE DOES NOT EXIST, MASTER FILE WAS ALREADY SIGNED OFF OR NEVER MOUNTED.

Cause - The user attempted to UPDATE or CANCEl and was not signed on to SODA.

Action - No action is taken by SODA The user must scratch the IMQ (¬S) and sign on to SODA before processing any transaction.

NO STORAGE AVAILABLE TO START FMSODA

Cause - There was a GETMAIN failure in an MVS environment.

Action - SODA is not signed on. The user should try again to see if core is now available.

PARTIAL CORRECTION CLAUSE

Cause - The correction value for a SODA correction entry was not specified.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

PARTIAL KEYNUMBER CLAUSE

Cause - The Keynumber (e.g. 111,222) for a SODA correction was not properly specified.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

PARTIAL KEYWORD CLAUSE (FILE OR REPORT)

Cause - The file or report keyword was not followed by a valid file or report name.

Action - The user is not signed on to SODA. The user should scratch the IMQ (¬S) and

enter the necessary file and/or report information to complete the signon process. If the user does not wish to complete the signon, he must enter CANCEL ALL ¬ to terminate the partial signon process, before proceding to any other terminal application.

POSITION NOT LOCATED FOR ----------

Cause - The value following the AT keyword for an INSERT, DELETE, or CHANGE correction entry, could not be matched to a character pattern in the users transaction.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

RECORD (RECORD ID) WRITTEN ON FILE

Cause - This is an advisory message. The record specified has been written to the master file as a result of the user's UPDATE command.

Action - The master file is updated with the specified record. If this is the only record on the master file, the user is signed off from SODA.

REPORT NAME ERROR, RESPECIFY

Cause - The report record for the report name specified was not found on the users file.

Action - The user is not signed on to SODA. The user must scratch the IMQ (¬S) and enter the correct report specification to complete the signon process. If the user does not wish to complete the signon process, he must enter CANCEL ALL ¬F to

terminate the partial signon process, before proceeding to any other terminal application.

REPORT NAME NOT SPECIFIED

Cause - A SODA transaction has been input by the user before a report name has been processed.

Action - The user is not signed on to SODA. The transaction input must be scratched, and the user must enter the report keyword and report name in order to complete the signon process. If the user does not wish to complete the signon, he must enter CANCEL ALL -F to terminate the partial signon process, before proceeding to any other terminal application.

STORAGE OF HOLD FILE DISK WORKSPACE. YOUR INPUT NOT PROCESSED.

Cause - A HOLD file could not be allocated during the signon process. Temporary HOLD file work space was not available.

Action - SODA could not be signed on. The user may try to signon again. If still unable to signon, the user should check on the availability of temporary work space.

SLIB CONCATENATION FAILURE. FMSODA SIGNED OFF.

Cause - In an MVS environment the library specified for SLIB in the TP JCL could not be allocated for one of the following reasons:

a. Not on the designated pack.

b. The designated pack was not mounted

c. The JCL for the library was not correctly specified.

d. The library could not be opened.

Action - The user will not be signed on to SODA. The user must ensure that the required library exists, is cataloged, and is properly specified.

THE HOLD FILE IS FULL. YOU CAN NOT PROCEED UNTIL YOU UPDATE OR CANCEL ALL. YOU MAY THEN REENTER THIS TRANSACTION.

Cause - The HOLD file is full.

Action - The present transaction is not processed. UPDATE ALL or CANCEL ALL must be entered prior to another transaction.

* THE HOLD FILE IS NEARING CAPACITY. YOU SHOULD UPDATE OR CANCEL ALL SOON.

Cause - Updated records have filled more than 80% of the HOLD file.

Action - Transactions may still be entered. UPDATE ALL or CANCEL ALL should be entered when convenient.

UNENDED LITERAL BEGINNING ----------

Cause - The user has entered a SODA correction value which included a beginning quote but no end quote.

Action - The correction is not processed. SODA returns to correction mode so that the user can enter the proper correction.

YOU DO NOT HAVE ACCESS TO FILE (FILE). YOU MUST ENTER ¬S BEFORE LEAVING THE TERMINAL, OR WORKING ON A DIFFERENT FILE.

Cause - User attempted to signon to SODA with a file to which he does not have access.

File access is determined by the controlled access routine.

Action - The user is not signed on to SODA.

6.3.1 SODA ABEND Codes

3723 File has more than 50 sets. Contact systems maintenance programmer to have set limit increased.

6.4 EDIT Error and Diagnostic Messages

EDIT error messages consist of three types: EDIT component error messages, COEDIT error messages, and batch component TP error messages.

6.4.1 EDIT Component Error Messages

The error messages displayed by EDIT are generally self-explanatory, and the necessary corrective action is implied. Additional explanation is provided here following each message.

These messages are written on the Edit Message Queue immediately following the commands they reference.

Each message is identified by a 4-digit number, a 2-digit prefix followed by a 2-digit sequence number; e.g.,

XXYY where:

XX is the prefix digits identifying the EDIT routine where the message is generated

00 = Structure Errors
01-29 = Input/Modification Command
30-59 = Output WORK Command
60-89 = Output non-WORK Command

Prefix-00 messages are a special category of errors not pertinent to any one single command. They apply to entry structure problems applicable to all commands.

ERROR CODES

yy is the sequence digits enumerating the messages per command.

01-49 = indicates the error occurred during the validity check of the command statement

50-99 = indicates the error occurred during the execution of a command function.

The error codes for the commands are as follows:

INPUT/ MODIFICATION COMMANDS	ERROR CODE
SIGNON	01yy
SETUP	02yy
GET (SAM)	03yy
GET (Member)	04yy
INSERT	05yy
CHANGE (Field)	06yy
CHANGE (Record)	07yy
DELETE (Lines)	08yy
VERIFY	09yy
ALLOCATE	10yy
HOLD	11yy
MOVE	12yy
SUBMIT	13yy
FORMAT	14yy
RESEQ	15yy
UTIL	16YY
SIGNOFF	29yy

OUTPUT WORK COMMANDS	ERROR CODE
PUT	31yy
LIST	32yy
MOVE	33yy

OUTPUT NON-WORK	ERROR

ERROR CODES

COMMANDS	CODE
DELETE (temp file)	61yy
DELETE (member)	62yy

0001 INSUFFICIENT CORE AVAILABLE - RUN ABORTED.

EXPLANATION - EDIXEC cannot get enough core for the INTERPRET DSECT and the dummy console status record area. The entry is canceled.

0002 GETMAIN FOR CMD TABLE EXTENSIONS UNSUCCESSFUL - RUN ABORTED.

EXPLANATION - Initial command table allocations have been exceeded, and EDIXEC cannot get sufficient core for extensions. The entry is canceled.

0010 TERMINAL INPUT REQUIRED AT THIS POINT - COMMAND ATTEMPT INVALID.

EXPLANATION - Self-explanatory.

0011 TERMINAL INPUT INVALID AT THIS POINT - COMMAND REQUIRED.

EXPLANATION - Self-explanatory.

0012 UNRECOGNIZED COMMAND.

EXPLANATION - Single initial slash is not followed by valid EDIT command.

0013 SIGNOFF IS ONLY VALID COMMAND FOLLOWING SUBMIT.

EXPLANATION - Self-explanatory.

0014 PREVIOUS COMMAND MUST BE LAST COMMAND IN ENTRY.

EXPLANATION - Command entered previously is an EDIT 'last command' and must terminate the entry.

ERROR CODES

0100 INVALID KEYWORD OPTIONS ON SIGNON.

EXPLANATION - FORMAT, SIZE, and SEQ/NOSEQ are the only valid SIGNON options.

0101 INVALID SIGNON COMMAND.

EXPLANATION - SIGNON is only valid as initial terminal entry.

0103 MULTIPLE SEQUENCE OPTIONS.

EXPLANATION - Self-explanatory.

0104 REQUEST MISSING ON SIZE OPTION.

EXPLANATION - Self-explanatory.

0105 INVALID SIZE OPTION

EXPLANATION - Self-explanatory.

0106 MULTIPLE SIZE OPTIONS.

EXPLANATION - Self-explanatory.

0107 MULTIPLE FORMAT OPTIONS.

EXPLANATION - Self-explanatory.

0200 UNRECOGNIZABLE PARAMETER ON SETUP COMMAND.

EXPLANATION - Option other than USING, SEQ/NOSEQ, FORMAT, or FREE is invalid on SETUP entry.

0201 UNRECOGNIZED USING OPTION ON SETUP COMMAND.

EXPLANATION - USING option specified was not NEW, WORK, OLD, or format recognized as a temporary data set name.

0202 INVALID MEMBER NAME ON FREE OPTION.

EXPLANATION - Name specified does not identify a valid existing temporary data set.

0203 NO WORK FILE EXISTS: WORK IS INVALID USING OPTION.

EXPLANATION - There is no existing WORK file to use as input to SETUP.

0205 NONSEQUENCED DATA SPECIFIED AS SEQUENCED INPUT

EXPLANATION - The using option requested has been defined as NOSEQ, and the mode has either been coded as, or defaulted to, SEQ.

0207 MULTIPLE USING OPTIONS.

EXPLANATION - Self-explanatory.

0208 MEMBER SPECIFIED IN FREE OPTION IS NOT ENQUEUED.

EXPLANATION - Self-explanatory.

0209 MULTIPLE SETUP COMMANDS INVALID PER ENTRY.

EXPLANATION - The maximum of one SETUP per EDIT entry has been exceeded.

0210 MULTIPLE MODE OPTIONS.

EXPLANATIONS - Self-explanatory.

0211 REQUEST MISSING ON USING OPTION.

EXPLANATION - Self-explanatory.

0212 REQUEST MISSING ON FORMAT OPTION.

EXPLANATION - Self-explanatory.

0213 NO BACKUP FILE EXISTS: OLD IS INVALID USING OPTION.

EXPLANATION - Previous pass had no input work file. Backup work file does not exist.

0214 MULTIPLE FORMAT OPTIONS.

EXPLANATION - Self-explanatory.

0215 REQUEST MISSING ON FREE OPTION.

EXPLANATION - Self-explanatory.

0216 MULTIPLE FREE OPTIONS.

EXPLANATION - Self-explanatory.

0217 INVALID SIZE OPTION.

EXPLANATION - Size specified is not four or less numeric digits.

0218 MULTIPLE SIZE OPTIONS.

EXPLANATION - Self-explanatory.

0219 TEMPORARY FILE SPECIFIED WAS DELETED.

EXPLANATION - Self-explanatory.

0220 REQUEST MISSING ON SIZE OPTION.

EXPLANATION - Self-explanatory.

0300 UNRECOGNIZED KEYWORD PARAMETER ON GET COMMAND.

EXPLANATION - Parameter other than SAM, MEMBER, LIBRARY, READ, UPDATE, END, 0+ii, nnnn+ii, SEQ, or NOSEQ was entered.

0301 SAM OR MEMBER OPTION MISSING ON GET COMMAND.

EXPLANATION - Get must specify either SAM file or member of a cataloged library as input.

0303 MEMBER NAME SPECIFIED IS INVALID.

EXPLANATION - The member name specified is not a legitimate member of a cataloged data set.

0304 NO PREVIOUS LIBRARY SPECIFICATIONS: MEMBER OPTION WITHOUT LIBRARY REFERENCE INVALID.

EXPLANATION - Member specification without LIBRARY reference indicates member can be found in previously specified library.

0305 MAXIMUM OF ONE LIBRARY SPECIFICATION PER EDIT PASS EXCEEDED.

EXPLANATION - Only one library can be accessed per EDIT pass.

0306 INVALID DATA SET NAME.

EXPLANATION - Library name or SAM name specified is not valid for one of the following reasons:

- o Name is greater than 44 characters in length
- o No name is specified
- o The library name does not refer to a partitioned data set.

0307 DATA SET NOT CATALOGED.

EXPLANATION - Data set specified is not a cataloged data set. Catalog data set and rerun.

0308 INVALID SEQUENCE REVERSAL.

EXPLANATION - SETUP command is necessary to change established mode.

0309 NO INPUT WORK FILE: LINE NUMBER SPECIFICATION INVALID.

EXPLANATION - Specific line number reference is meaningless with nc input WORK file.

0310 DATA SET NOT MOUNTED.

EXPLANATION - The data set name specified is cataloged to a volume which is not currently mounted. Request operation to mount required volume and rerun.

0311 LINE NUMBER SPECIFIED IS OUT OF ASCENDING SEQUENCE WITH PREVIOUS COMMANDS ENTERED.

EXPLANATION - Commands referencing the WORK file must be entered in ascending sequence.

0312 INDEX SPECIFICATION INVALID ON NONSEQUENCED DATA.

EXPLANATION - Indexing is meaningless against non-sequenced records.

0313 NONNUMERIC LINE NUMBER SPECIFICATION.

EXPLANATION - Line specification entered is not intelligible numeric format.

0314 NONNUMERIC INDEX SPECIFICATION.

EXPLANATION - Index specification entered is not intelligible numeric format.

0318 PREVIOUS MEMBER UPDATE STILL IN EFFECT: ADDITIONAL UPDATE ASSIGNMENTS INVALID.

EXPLANATION - Update mode is limited to one member at any one time.

0319 SPECIFIED KEYWORDS MUTUALLY EXCLUSIVE.

EXPLANATION - Duplicate or conflicting parameters have been specified.

0450 MEMBER=name NOT FOUND ON LIB=name.

EXPLANATION - Self-explanatory.

0451 UNABLE TO OPEN MEM=name LIB=name.

EXPLANATION - Self-explanatory.

0452 UNCORRECTABLE I/O ERROR ON MEM=name LIB=name.

EXPLANATION - Self-explanatory.

0453 INSUFFICIENT CORE AVAILABLE TO EXECUTE GET MEM/SAM REQUEST.

EXPLANATION - Self-explanatory.

0454 UNABLE TO COMPLETE GET REQUEST DUE TO PREVIOUS ERROR CONDITION.

EXPLANATION - Self-explanatory.

0455 PREVIOUS REQUEST FOR MEM=name LIB=name.

EXPLANATION - Member is currently enqueued: enqueue required is illegal.

0456 UNABLE TO OPEN SAM DATA FILE

EXPLANATION - Self-explanatory.

0457 UNCORRECTABLE I/O ERROR ON SAM DATA FILE

EXPLANATION - Self-explanatory.

0500 UNRECOGNIZED OPTION PARAMETER ON INSERT COMMAND.

EXPLANATION - Option other than intelligible line number or "END" entered.

0501 NO WORK FILE GENERATED: INSERT COMMAND INVALID.

EXPLANATION - WORK file must be established for an INSERT command against it to be properly executed.

0502 NONNUMERIC LINE NUMBER SPECIFICATION

EXPLANATION - Operand not recognized as intelligible line number specification.

0504 LINE NUMBER SPECIFICATIONS OUT OF ASCENDING SEQUENCE WITH PREVIOUS COMMANDS ENTERED.

EXPLANATION - Commands referencing the work file must be entered in ascending sequence.

0511 INVALID ENTRY STRUCTURE: INSERT CANNOT BE FINAL ENTRY IN EDIT SEQUENCE.

EXPLANATION - End of data immediately following INSERT entry is invalid command structure.

0512 INVALID ENTRY STRUCTURE: INSERT MUST BE FOLLOWED BY TERMINAL DATA, FORMAT, OR SIGNOFF.

EXPLANATION - Command other than FORMAT or SIGNOFF immediately following INSERT is invalid.

0514 LINE NUMBER/INDEX CAN BE A MAXIMUM OF EIGHT DIGITS.

EXPLANATION - Self-explanatory.

0516 MAXIMUM OF ONE PARAMETER ALLOWED ON INSERT COMMAND.

EXPLANATION - Self-explanatory.

0518 INSERT COMMAND INVALID AT THIS POINT.

EXPLANATION - Self-explanatory.

0520 INVALID OPERATION. INDEXING IS VALID ONLY IF WORK FILE IS IN SEQUENCE MODE.

EXPLANATION - Self-explanatory.

0601 NO WORK FILE. CHANGE COMMAND INVALID.

EXPLANATION - WORK file must be established for a CHANGE command against it to be properly interpreted.

0602 INVALID LINE RANGE SPECIFICATION.

EXPLANATION - Operand not recognized as intelligible line number, or upper limit unrecognized as either valid numeric or 'END'.

0604 WORK FILE LINE REFERENCE OUT OF SEQUENCE.

EXPLANATION - Commands referencing the WORK file must be entered in ascending sequence.

0605 NEGATIVE RANGE SPECIFICATION.

EXPLANATION - Upper limit entered is not algebraically greater than or equal to the lower limit.

0606 INCOMPLETE ARGUMENT/FUNCTION OPERAND.

EXPLANATION - CHANGE requires the delimiter preceding, between, and following the argument/function pair.

0607 EXTRANEOUS PARAMETERS ON CHANGE COMMAND.

EXPLANATION - Self-explanatory.

0608 NO ARGUMENTS BETWEEN DELIMITERS

EXPLANATION - There should be at least one character between delimiters, even if it is a blank. Consecutive delimiters do not quality for a valid change.

0650 nn RECORDS CHANGED FROM XX through YY.

EXPLANATION - An advisory message telling the number of lines (records) changed for the range of lines on the CHANGE command.

0702 UNABLE TO SUCCESSFULLY COMPLETE CHANGE FUNCTION.

EXPLANATION - Unrecoverable processing error occurred during execution of CHANGE command.

0800 UNRECOGNIZED OPTION ON MODIFICATION DELETE COMMAND.

EXPLANATION - Option other than valid line or line range specification encountered on modification DELETE command.

ERROR CODES

0801 NONNUMERIC LOWER LIMIT SPECIFICATION.

EXPLANATION - Lower limit entry not recognized as intelligible numeric specification.

0802 UNRECOGNIZED UPPER LIMIT SPECIFICATION.

EXPLANATION - Upper limit specified is neither valid numeric nor 'END'.

0805 INVALID NEGATIVE RANGE SPECIFICATION.

EXPLANATION - Upper limit specified is not algebraically greater than or equal to lower limit.

0804 LINE NUMBER SPECIFICATION IS OUT OF ASCENDING SEQUENCE WITH PREVIOUS COMMANDS ENTERED.

EXPLANATION - Commands referencing the WORK file must be entered in ascending numeric sequence.

0806 MODIFICATION-DELETE COMMAND INVALID -- NO ESTABLISHED WORK FILE.

EXPLANATION - Modification DELETE requires the existence of a WORK file.

0900 UNRECOGNIZED KEYWORD PARAMETER ON VERIFY COMMAND.

EXPLANATION - Keyword parameter other than FILE, VOL, or LIBRARY encountered on command entry.

0901 UNRECOGNIZED NIPS COMPONENT IDENTIFICATION.

EXPLANATION - Code entered was other than FS, FM, RASP, OP, or QUIP.

0902 VERIFY COMMAND INCOMPLETE: NIPS COMPONENT REFERENCE MISSING.

EXPLANATION - NIPS component specification is essential to VERIFY.

ERROR CODES

0903 VERIFY COMMAND INCOMPLETE: FILE SPECIFICATION MISSING.

EXPLANATION - File name specified is missing or does not conform to OS/360 conventions.

0904 LIBRARY OPTION OMISSION INVALID WITH NO PREVIOUSLY ESTABLISHED LIBRARY.

EXPLANATION - LIBRARY option omission implies previously defined library and requires same.

0905 VALID OMISSION INVALID WITH UNCATALOGED FILE.

EXPLANATION - VERIFY requires either a cataloged file or a VALID specification.

0906 INVALID LIBRARY NAME SPECIFICATION.

EXPLANATION - Name specified in the LIBRARY option does not conform to OS/360 conventions.

0908 INVALID ATTEMPT TO REFERENCE SECOND LIBRARY PER EDIT PASS.

EXPLANATION - EDIT restricts library references to one library per EDIT pass.

0909 DUPLICATE KEYWORD PARAMETERS ON VERIFY COMMAND.

EXPLANATION - Self-explanatory.

0910 NO WORK FILE EXISTS. VERIFY OPTION IS INVALID.

EXPLANATION - A WORK file must exist to use the VERIFY option.

0911 SPECIFIED LIBRARY IS NOT CATALOGED

EXPLANATION - The specified library is not cataloged.

0912 SPECIFIED LIBRARY CANNOT BE MOUNTED

EXPLANATION - The specified library cannot be mounted.

0913 UNABLE TO ACCESS LIBRARY

EXPLANATION - Verify was unable to access the library.

0914 INVALID VOLUME ID SPECIFICATION.

EXPLANATION - Volume identification specified does not conform to OS/360 conventions.

0915 SPECIFIED FILE IS NOT AN ISAM DATA BASE

EXPLANATION - The file specified on the /VERIFY command is not an ISAM file.

1001 NO PARAMS SPECIFIED

EXPLANATION - None of the required parameters were specified. As a minimum, a data set name must be specified.

1002 MUTUALLY EXCLUSIVE KEYWORD XXXXX

EXPLANATION - The keyword is either specified more than once or is logically inconsistent with the other parameters.

1003 INVALID SIZE REQUEST

EXPLANATION - The SIZE parameter must be four or less numeric digits.

1004 INVALID UNIT REQUEST

EXPLANATION - The UNIT value is not one of the following: 2314, 2311, 2301, 2302, 2303, 2321, 2305, or 3330.

1005 INVALID RECFM REQUEST

EXPLANATION - The RECFM value must be F, FB, V, VB, or U.

1006 INVALID LRECL REQUEST

EXPLANATION - The LRECL value must be four or less numeric digits.

1007 INVALID BLKSIZE REQUEST

EXPLANATION - The BLKSIZE value must be four or less numeric digits.

1008 INVALID PRIMARY ALLOCATION

EXPLANATION - CYL must be three or less numeric digits, TRK four or less digits, and BLK five or less.

1009 INVALID EXTENT REQUEST

EXPLANATION - The EXT value must be three or less numeric digits.

1010 INVALID DIRECTORY BLK REQUEST

EXPLANATION - The DIR value must be one or two numeric digits.

1011 ONLY ONE DSN PERMITTED

EXPLANATION - The second data set name is probably an illegal keyword.

1012 INVALID DATA SET NAME

EXPLANATION - The name does not match the criteria for OS data set names. Tempname must be eight or less characters and permname 44 or less.

1013 NO DATA SET NAME SPECIFIED

EXPLANATION - Self-explanatory. The data set name is a required parameter for either permanent or temporary allocation.

1014 DUPLICATE DATA SET NAME SPECIFIED

EXPLANATION - The tempname coded already exists or the permname already exists on the specified volume.

1015 DESIGNATED PACK NOT MOUNTED

EXPLANATION - Self-explanatory. The pack must be mounted.

1016 I/O ERROR ON PACK, RESPECIFY

EXPLANATION - An I/O error occurred on pack while trying to allocate data set. Try again.

1017 VOL KEYWORD REQD FOR PERM DSN

EXPLANATION - When allocating a permanent data set, VOL=SER=volid is required.

1018 TEMP DSN LIMITED TO EIGHT CHARS MAX

EXPLANATION - Self-explanatory.

1019 TEMP DSN IS EDIT RESERVED WORD

EXPLANATION - The tempname cannot be an EDIT reserved word. Those words are listed in section 5.9 of the TP Manual.

1020 ILLEGAL CONTINUATION LINE

EXPLANATION - The line did not begin with a /A followed by one or more parameters.

1021 TEMPORARY DATA SET MAXIMUM EXCEEDED

EXPLANATION - EDIT restricts user to five temporary data sets per terminal session.

ERROR CODES

1050 UNABLE TO ALLOCATE XXXXXXXX DATA SET

EXPLANATION - There is not enough space on the work packs.

1051 PACK XXXXXX NOT MOUNTED

EXPLANATION - The pack must be mounted prior to allocating a data set with EDIT.

1052 UNABLE TO ALLOCATE PERMANENT DATA SET

EXPLANATION - There is not enough space on the specified volume.

1100 UNRECOGNIZED OPTION ENTERED ON HOLD COMMAND.

EXPLANATION - Option entered other than valid tempname or RESEQ.

1101 INVALID TEMPORARY DATA SET NAME SPECIFIED.

EXPLANATION - Tempname specified does not conform to OS/360 conventions.

1117 HOLD COMMAND INVALID WITH NO ESTABLISHED WORK FILE.

EXPLANATION - HOLD requires existing WORK file.

1118 DUPLICATE TEMPORARY DATA SET NAME ENTRY.

EXPLANATION - Temporary data sets created per terminal session require unique names.

1119 TEMPORARY DATA SET MAXIMUM REACHED: HOLD INVALID PENDING DELETION.

EXPLANATION - EDIT restricts user to five temporary data sets per terminal session.

1120 RESEQUENCE OPTION INVALID FOR NONSEQUENCED WORK FILE.

EXPLANATION - EDIT will resequence only already sequenced WORK files into temporary data sets.

1121 MULTIPLE RESEQ PARAMETERS ARE INVALID.

EXPLANATION - RESEQ option has been specified more than once on a line entry.

1122 MULTIPLE TEMPORARY DATA SET NAMES ARE INVALID.

EXPLANATION - A data set name has been specified more than once on a line entry.

1123 TEMPORARY DATA SET NAME MUST BE SPECIFIED.

EXPLANATION - A data set name must be specified on a HOLD command entry.

1200 EXTRANEOUS PARAMETERS ON MOVE COMMAND

EXPLANATION - Self-explanatory.

1201 INVALID TEMPNAME SPECIFICATION.

EXPLANATION - Tempname entered does not conform to OS/360 conventions, or does not access an existing temporary data set.

1202 INVALID LINE SPECIFICATION.

EXPLANATION - Nonnumeric or otherwise unintelligible line range encountered.

1203 NO DATA IN SPECIFIED TEMPORARY FILE.

EXPLANATION - The temporary data set was generated by ALLOCATE, and no data has been moved into it.

1204 WORK FILE LINE REFERENCE OUT OF SEQUENCE.

EXPLANATION - Commands referencing the WORK file must be entered in ascending sequence.

1205 NEGATIVE LINE RANGE SPECIFICATION.

EXPLANATION - Upper limit encountered is not algebraically greater than or equal to lower limit.

1206 FIRST PARAMETER MISSING ON MOVE COMMAND.

EXPLANATION - Both the input MOVE and output MOVE are positional and are identified by specific initial parameters.

1207 'TO WORK' SPECIFICATION MISSING.

EXPLANATION - 'TO WORK' is mandatory on a MOVE command constructed as input.

1223 USE OF OMQ ILLEGAL DUE TO PREVIOUS LIST CMD.

EXPLANATION - The OMQ cannot be listed and moved from in the same pass.

1250 MOVE FUNCTION CANNOT BE COMPLETED.

EXPLANATION - Uncorrectable processing error occurred during execution of the MOVE command.

1251 INSUFFICIENT CORE AVAILABLE TO EXECUTE MOVE.

EXPLANATION - Self-explanatory.

1252 UNCORRECTABLE I/O ERROR.

EXPLANATION - Self-explanatory.

1300 INVALID OPERAND ON SUBMIT COMMAND.

EXPLANATION - No legitimate parameters recognized by SUBMIT.

1305 SUBMIT COMMAND INVALID WITH NO ESTABLISHED WORK FILE.

EXPLANATION - A WORK file must exist to use the SUBMIT option.

1315 DUPLICATE KEYWORD PARAMETERS.

EXPLANATION - Self-explanatory.

1320 UNABLE TO OPEN INPUT FILE.

EXPLANATION - Unable to open DCB of input WORK file.

1330 NO TPJOBQ SPACE AVAILABLE ON SHARED DASD.

EXPLANATION - TPJOBQ storage space for batch jobs entered from a terminal via the SUBMIT command has been exhausted. None, or only some of the jobs were submitted. This message will be followed by message 1330A or 1330B for further clarification.

1330A JOBNAME XXXXXXXX WAS LAST JOB SUBMITTED.

EXPLANATION - If any jobs were placed on the TPJOBQ before running out of space, the name of the last job submitted will replace the XXXXXXXX field in this message. This message will always be preceded by message 1330.

1330B NO JOBS SUBMITTED.

EXPLANATION - This message is self-explanatory and will always be preceded by message 1330.

1340 UNABLE TO CATALOG INPUT FILE.

EXPLANATION - An error was encountered attempting to catalog the input file.

1360 UNABLE TO OPEN COPY FILE.

EXPLANATION - Program was unable to open data set DCB of intermediate file for submission to OS Job Queue.

1400 UNRECOGNIZED PARAMETER ON FORMAT COMMAND.

EXPLANATION - Option other than OFF, POOL, or n1,n2,..ni was entered on FORMAT command.

ERROR CODES

1401 FORMAT COLUMNAR SPECIFICATIONS OUT OF SEQUENCE.

EXPLANATION - Self-explanatory.

1402 MAXIMUM OF 40 COLUMN SPECIFICATIONS EXCEEDED.

EXPLANATION - Self-explanatory.

1403 COLUMN SPECIFICATION EXCEEDS MAXIMUM VALUE OF 80.

EXPLANATION - Self-explanatory.

1404 INVALID CHARACTER IN COLUMN SPECIFICATIONS.

EXPLANATION - Column request coded is not two or less numeric digits.

1500 INVALID OPERAND ON RESEQ COMMAND.

EXPLANATION - No legitimate parameters recognized by RESEQ.

1520 RESEQ INVALID ON NOSEQ MODE WORK FILE.

EXPLANATION - WORK file established as nonsequence mode cannot be resequenced during output.

1530 ONLY ONE RESEQUENCE COMMAND PER PASS IS ALLOWED.

EXPLANATION - Only one request to resequence the file per pass is allowed.

1601 REQUIRED KEYWORD MISSING (OP CODE, DSN, VOL, NEW)

EXPLANATION - Either the utility function, the data set name or, if required, the volume, or NEWNAME has not been specified.

1602 SPECIFIED KEYWORD XXXXXX MUTUALLY EXCLUSIVE

EXPLANATION - Either duplicate or incompatible keywords have been specified.

1603 NO VALUE SPECIFIED FOR KEYWORD XXX

EXPLANATION - Self-explanatory.

1604 VALUE TOO LONG FOR KEYWORD XXX

EXPLANATION - Keyword value is not within the length limits for the keyword.

1605 ILLEGAL DEVICE TYPE IN VOL KEYWORD

EXPLANATION - Self-explanatory.

1606 ILLEGAL VOL SER XXXXXX IN VOL KEYWORD

EXPLANATION - The volid is probably greater than six characters.

1607 MORE THAN FIVE VOL SERS IN VOL KEYWORD

EXPLANATION - Self-explanatory.

1608 ILLEGAL KEYWORD XXXXXXX

EXPLANATION - Self-explanatory.

1609 DSN NOT CATALOGED

EXPLANATION - Self-explanatory.

1610 DSN RESIDES ON MORE THAN FIVE PACKS

EXPLANATION - Self-explanatory. EDIT will not operate with files on more than five volumes.

1611 PACK XXXXXX NOT MOUNTED

EXPLANATION - Self-explanatory. The pack must be mounted for SCRATCH and RENAME functions.

1612 INVALID CONTINUATION LINE

EXPLANATION - The first line ends with a comma, but the next line does not begin with a /U.

1613 CVOL PACK XXXXXX NOT MOUNTED

EXPLANATION - The data set is cataloged through the use of a control volume pointer which is on the designated pack.

1650 DSN CATALOGED

EXPLANATION - The specified data set name was entered in the system catalog.

1651 CVOL PACK NOT MOUNTED

EXPLANATION - See Error Code 1613.

1652 DSN ALREADY CATALOGED, NO ACTION TAKEN

EXPLANATION - Self-explanatory.

1653 REQUEST NOT SERVICED, CONDITION CODE=XX

EXPLANATION -

For LOCATE function:

12 - Either index, alias, or CVOL pointer was found when list of qualified names exhausted.

16 - A data set resides at some level of index other than the lowest index level specified.

20 - Illegal data set name

24 - Permanent I/O error while processing catalog

For CATLG or UNCATLG function:

16 - The index structure necessary to catalog the data set does not exist

20 - Space is not available on the catalog

28 - Permanent I/O error while processing catalog

For the SCRATCH or RENAME function:

4 - Permanent I/O error on volume

1654 DSN UNCATALOGED

EXPLANATION - The specified data set name entry was deleted from the systems catalog.

1655 DSN LOCATED ON MORE THAN FIVE VOLUMNS

EXPLANATION - Self-explanatory.

1656 XXXXXX DSN NOT ON PACK

EXPLANATION - The data set cannot be found on the specified pack.

1657 XXXXXX DSN ALREADY EXISTS ON PACK, NO ACTION TAKEN.

EXPLANATION - Self-explanatory.

1658 XXXXXX DSN RENAMED ON PACK

EXPLANATION - X is the volume serial.

1659 DSN NOT CATALOGED, CANNOT BE LOCATED.

EXPLANATION - Self-explanatory.

1660 RETENTION PERIOD NOT UP; PURGE NOT SPECIFIED.

EXPLANATION - The data set cannot be scratched unless PURGE is specified.

1661 INVALID OS DATA SET NAME

EXPLANATION - Data set name does not meet OS/VS name conventions.

1662 DSN NOT ON PACK; NO ACTION TAKEN.

ERROR CODES

EXPLANATION - Self-explanatory.

1663 DSN COMPLETELY SCRATCHED.

EXPLANATION - Specified data set was scratched

1664 DSN RENAMED

EXPLANATION - Specified data set was renamed.

1665 XXXXXX DSN SCRATCHED FROM THIS PACK.

EXPLANATION - X is the volume serial.

2900 INVALID SIGNOFF OPERAND.

EXPLANATION - DELETE is sole acceptable operand on SIGNOFF entry.

2902 TEMPORARY DATA SETS EXIST - DELETE OPTION REQUIRED.

EXPLANATION - DELETE must be coded if temporary data sets exist.

3055 NO MEMBER NAMES WERE FOUND FOR THE COMPONENT.

EXPLANATION - Self-explanatory.

3100 UNRECOGNIZED KEYWORD OPTION IN PUT OPERAND.

EXPLANATION - Option other than MEMBER, LIBRARY NEW, OLD, FM, FS, PASP, OP, QUIP, MOVE, RESEQ, WORK or valid tempname encountered in PUT command.

3103 INVALID MEMBER NAME SPECIFICATION.

EXPLANATION - Member name entered does not conform to OS/360 conventions.

3104 LIBRARY OPTION OMISSION INVALID WITH NO PREVIOUSLY ESTABLISHED LIBRARY.

EXPLANATION - LIBRARY parameter omission implies reference to previously defined library and requires same.

3106 INVALID LIBRARY NAME SPECIFICATION.

EXPLANATION - Library name specified does not conform to OS/360 conventions.

3107 LIB NAME NOT SAME AS IN GET-UPDATE COMMAND.

EXPLANATION - The library specified in a PUT OLD command must be the same as that in the previous GET UPDATE command.

3108 INVALID ATTEMPT TO REFERENCE SECOND LIBRARY PER EDIT PASS.

EXPLANATION - EDIT restricts library reference to one library per EDIT pass.

3120 RESEQ INVALID OPTION FOR NONSEQUENCED DATA.

EXPLANATION - When the input, either WORK file or a temporary data set, is nonsequenced, EDIT will not accept the RESEQ option.

3121 MEMBER NOT IN UPDATE MODE: OLD OPTION INVALID.

EXPLANATION - If member has not been classified as update mode by a previous GET command, it cannot be recipient of a PUT.

3122 OMISSION OF COMPONENT OPTION INVALID WITH 'NEW' SPECIFICATION.

EXPLANATION - EDIT requires either a component entry or the word 'NONE' for a new member name.

3123 INVALID COMPONENT ENTRY: INCONSISTENT WITH OLD COMPONENT SPECIFICATION OF MEMBER.

EXPLANATION - Component specification with the OLD option must be consistent with the component already indicated in the library.

3124 INVALID ATTEMPT TO CREATE DUPLICATE MEMBER NAME.

EXPLANATION - Member name option specified as NEW already exists.

3125 INVALID MEMBER NAME OMISSION.

EXPLANATION - EDIT requires member name specification on the PUT command.

3126 INVALID TEMPNAME OPTION: TEMPORARY DATA SET REQUESTED IS VOID OF DATA.

EXPLANATION - Temporary data set requested has not received actual data either previous to, or during, this EDIT pass.

3130 DUPLICATE KEYWORD PARAMETERS.

EXPLANATION - Same keyword has been specified more than once on a line entry.

3140 I/O ERRORS ENCOUNTERED PROCESSING DATA.

EXPLANATION - An I/O error was encountered reading or writing on a data set. Processing was unable to continue.

3141 INSUFFICIENT CORE STORAGE AVAILABLE.

EXPLANATION - Self-explanatory.

3143 UNABLE TO OPEN OUTPUT DATA SET.

EXPLANATION - The data set used to receive the temporary file could not be opened for output.

3144 UNABLE TO OPEN OUTPUT DATA SET.

EXPLANATION - The data set used to receive the WORK file could not be opened.

3145 I/O ERROR RENAMING LIBRARY DIRECTORY.

EXPLANATION - An I/O error was encountered attempting to search the directory for the specified member name.

3148 UNABLE TO ALLOCATE SERIALLY REUSABLE DATA SET NAME.

EXPLANATION - The processing program was unable to ENQUE the output data set used to receive the temporary file.

3149 MEMBER NAME SPECIFIED AS OLD DOES NOT EXIST ON LIBRARY.

EXPLANATION - The specified member name, to which the temporary file was to be copied, was not found in the library directory.

3178 UNABLE TO ALLOCATE SERIALLY REUSABLE DATA SET NAME.

EXPLANATION - The processing program was unable to ENQUE the requested Partitioned Data Set.

3179 MEMBER NAME SPECIFIED AS OLD DOES NOT EXIST ON LIBRARY.

EXPLANATION - Self-explanatory.

3200 UNRECOGNIZED OPTION ENTERED ON LIST COMMAND.

EXPLANATION - Option encountered other than valid LIBRARY, COMPONENT, MEMBER, tempname, line range, ALL, WORK, or IMMED in LIST operand.

3201 NO WORK FILE EXISTS: WORK OR LINE RANGE OPTIONS INVALID.

EXPLANATION - Listing the WORK file or parts thereof require its previous establishment.

3202 NONNUMERIC LINE NUMBER SPECIFICATION.

EXPLANATION - Operand recognized as line range specification with nonintelligible numeric format; or upper limit unrecognized as either valid numeric or 'END'.

3203 LINE NUMBER EXCEEDS FOUR DIGITS, INVALID.

EXPLANATION - The requested line number can be a maximum of four digits in magnitude.

3204 LINE NUMBER SPECIFICATION IS OUT OF ASCENDING SEQUENCE WITH PREVIOUS COMMANDS ENTERED

EXPLANATION - Commands referencing the WORK file must be entered in ascending sequence.

3205 INVALID NEGATIVE RANGE SPECIFICATION.

EXPLANATION - Upper limit entered is not algebraically greater than or equal to the lower limit.

3206 MAXIMUM OF ONE IMMEDIATE LIST PER EDIT PASS EXCEEDED.

EXPLANATION - Only one immediate LIST can be executed per one EDIT pass.

3207 LIBRARY OPTION OMISSION INVALID WITH NO PREVIOUSLY ESTABLISHED LIBRARY.

EXPLANATION - LIBRARY parameter omission implies reference to previously defined library, and requires same.

3208 INVALID ATTEMPT TO REFERENCE SECOND LIBRARY PER EDIT PASS.

EXPLANATION - EDIT restricts library reference to one library per EDIT pass.

3213 INVALID TEMPORARY DATA SET NAME IN LIST OPERAND.

EXPLANATION - Temporary data set name requested is not valid existing data set for this terminal session.

3214 LINE RANGE SPECIFIED DOES NOT EXCLUDE RANGE PREVIOUSLY REFERENCED IN SAME EDIT PASS.

EXPLANATION - Overlapping of line range specifications violates the ascending sequence restriction on WORK file references.

3215 INVALID LIBRARY NAME SPECIFICATION

EXPLANATION - Library name specified does not conform to OS/360 conventions.

3216 INVALID MEMBER NAME OPTION IN LIST OPERAND.

EXPLANATION - Member name entered does not conform to OS/360 conventions.

3218 MAXIMUM OF ONE OPTION ON A LIST COMMAND.

EXPLANATION - Only one option is valid on a line entry for the LIST command.

3221 WORK FILE DOES NOT CONTAIN DATA.

EXPLANATION - The file requested to be listed is void of data.

3222 WORK FILE BEING DELETED THIS PASS.

EXPLANATION - The work file requested to be listed is being deleted on this pass and can not be listed.

3223 USE OF OMQ ILLEGAL DUE TO PREVIOUS MOVE COMMAND.

EXPLANATION - A previous MOVE command requested use of the Output Message Queue, and it is unavailable for use by the LIST command.

3224 LIBRARY SPECIFIED IS INVALID.

EXPLANATION - The specified library is uncataloged, not mounted, or not a Partitioned Data Set.

3225 SAM FILE SPECIFIED IS EITHER UNCATALOGED OR NOT MOUNTED.

EXPLANATION - Data set specified is not a cataloged data set or not mounted. In first situation catalog data set and rerun; in second situation request operator to mount required volume and rerun.

3226 INVALID TEMPNAME OPTION: TEMPORARY DATA SET REQUESTED IS VOID OF DATA.

EXPLANATION - Temporary data set requested has not received actual data either previous to, or during, this EDIT pass.

3227 INVALID UNIT TYPE OR VOL SER IN VOL PARM

EXPLANATION - The unit type (2314, etc.) or volid is illegal. Perhaps 'SER' was specified instead of unit, or volid is too long.

3228 SPECIFIED PACK NOT MOUNTED.

EXPLANATION - The volume must be mounted prior to listing its VTOC.

3300 NO WORK FILE - MOVE COMMAND INVALID.

EXPLANATION - The MOVE command was constructed to move the output WORK file and no output WORK file exists.

3307 TO SPECIFICATION MISSING.

EXPLANATION - 'TO' is mandatory on MOVE command constructed as output.

3330 MAXIMUM NUMBER OF RECORDS HAVE BEEN MOVED TO ALLOCATED OUTPUT DATA SET.

EXPLANATION - An end-of-file has been reached on the output data set, and more records remain to be written out.

3331 DYNAMIC CORE STORAGE NOT AVAILABLE FOR FURTHER PROCESSING.

EXPLANATION - Self-explanatory.

3332 NO DD CARD FOR OUTPUT DATA SET.

EXPLANATION - No DDNAME was found in the TIOT for the requested output data set.

3334 DATA SET COULD NOT BE OPENED.

EXPLANATION - The processing program was unable to open the input or output data set for further processing.

6151 INSUFFICIENT CORE AVAILABLE TO PROCESS REQUEST.

EXPLANATION - Self-explanatory.

6152 UNABLE TO DELETE XXXXXXXX. CHECK IDENTITY.

EXPLANATION - Self-explanatory.

6200 UNRECOGNIZED KEYWORD PARAMETER ON OUTPUT-DELETE COMMAND.

EXPLANATION - Option other than valid tempname, ALL, MEMBER, or LIBRARY encountered.

6202 DELETE COMMAND INCOMPLETE: DATA SET REFERENCE MISSING.

EXPLANATION - Output DELETE requires either tempname, ALL, or MEMBER=name.

6203 INVALID MEMBER NAME SPECIFICATION.

EXPLANATION - Member name entered does not conform to OS/360 conventions.

6206 INVALID LIBRARY NAME SPECIFICATION.

EXPLANATION - Library name entered does not conform to OS/360 conventions.

6207 LIBRARY OPTION OMISSION INVALID WITH NO PREVIOUSLY ESTABLISHED LIBRARY.

EXPLANATION - LIBRARY parameter omission implies reference to previously defined library, and requires same.

6208 INVALID ATTEMPT TO REFERENCE SECOND LIBRARY PER EDIT PASS.

EXPLANATION - EDIT restricts library references to one library per EDIT pass.

6210 EXTRANEOUS PARAMETERS ON OUTPUT DELETE COMMAND.

EXPLANATION - Self-explanatory.

6213 INVALID TEMPNAME SPECIFICATION.

EXPLANATION - Tempname specified is not valid existing data set created by ALLOCATE or HOLD.

6251 INSUFFICIENT CORE AVAILABLE TO EXECUTE DELETE.

EXPLANATION - Self-explanatory.

6252 MEMBER=XXXXXXXX NOT FOUND ON DIRECTORY.

EXPLANATION - Self-explanatory.

6253 UNCORRECTABLE I/O ERROR ON DIRECTORY.

EXPLANATION - Self-explanatory.

6254 UNABLE TO OPEN DATA SET.

EXPLANATION - Self-explanatory.

6255 PREVIOUS REQUEST FOR MEMBER=XXXXXXXX LIB=

EXPLANATION - Member is currently enqueued; it must be dequeued before deleting.

6551 UNABLE TO OPEN MEM=XXXXXXXX LIB=

EXPLANATION - Self-explanatory.

6552 UNCORRECTABLE I/O ERROR ON MEM=XXXXXXXX LIB=

EXPLANATION - Self-explanatory.

6553 INSUFFICIENT CORE AVAILABLE TO EXECUTE LIST MEM/SAM REQUEST.

EXPLANATION - Self-explanatory.

6554 MEMBER=XXXXXXXX NOT FOUND ON LIB

EXPLANATION - Self-explanatory.

6555 UNABLE TO OPEN SAM DATA FILE.

EXPLANATION - Self-explanatory.

6556 UNCORRECTABLE I/O ERROR ON SAM DATA FILE.

EXPLANATION - Self-explanatory.

6557 UNABLE TO OPEN VTOC DATA SET.

EXPLANATION - Self-explanatory.

6559 LIST INVALID FOR MEM=XXXXXXXX LIB=

EXPLANATION - Requested member cannot be listed. Only members created by TPEDIT, UTSOURCE and IEBUPDTE can be listed.

6651 UNABLE TO PROCESS LIST REQUEST.

EXPLANATION - Error occurred during processing of LIST command. Recreate input file and reissue LIST command.

9903 INSUFFICIENT CORE TO INITIATE EDIT. RUN ABORTED.

EXPLANATION - If attempting to VERIFY with COEDIT, the Supervisor region may be too small to bring in the NIPS component translator. If simply using EDIT, wait until there are fewer users.

9904 UNABLE TO OPEN EDCONSL DATA SET. RUN ABORTED.

EXPLANATION - Check the EDCONSOL DD statement in the TP procedure for possible errors.

9905 UNABLE TO ACCESS CONSOLE STATUS RECORD. ENTRY NOT PROCESSED.

EXPLANATION - I/O errors occurred attempting to write to CSR.

9906 DD CARD FOR SLIB DATA SET MISSING. RUN ABORTED.

EXPLANATION - Self-explanatory. Correct the TP procedure.

9907 UNABLE TO MOVE TIOT TO TASK REGION. RUN ABORTED.

EXPLANATION - This should never happen. Contact your system programmer.

9908 YOUR LIBRARY IS NO LONGER MOUNTED. ENTRY NOT PROCESSED.

EXPLANATION - The pack containing the SLIB data set is no longer mounted.

9909 UNABLE TO INITIATE COEDIT. SOURCE NOT VERIFIED.

EXPLANATION - TPCOEDIT IS NOT A VALID PROGRAM NAME IN the program list, or it is not on the library.

6.4.2 COEDIT Error Messages

The COEDIT error messages are written on the Edit Message Queue if errors are encountered while attempting to

initialize the EDIT environment for execution of the NIPS batch component edit routines.

9501 NO DD CARD IN JOB STREAM FOR - XXX.

EXPLANATION - The specified DDNAME was not found in the TIOT.

9502 DATA SET NOT FOUND ON VOLUME.

EXPLANATION - The specified data set name was not found on the volume specified.

9503 UNABLE TO MOVE TIOT TO REGION.

EXPLANATION - The TIOT could not be moved to this task's region as required for further processing.

9504 UNABLE TO READ OR OPEN XXXXXXXX DATA SET.

EXPLANATION - The specified data set could not be opened, or I/O errors were encountered while reading or writing on it.

6.4.3 Batch Component TP Error Messages

The batch component TP error messages are written on the Edit Message Queue if errors are encountered during program execution in the TP environments under COEDIT.

The FS, FM, RASP OP or ASM component name will be inserted in the error message as appropriate.

9521 COMPONENT PROGRAM REQUESTED NOT FOUND IN JOBLIB.

EXPLANATION - One or more routines necessary to execute the component cannot be found on the JOBLIB library.

9522 PERMANENT I/O ERROR IN SEARCH OF JOBLIB.

EXPLANATION - Permanent I/O error was encountered while searching JOBLIB directory to ensure all

necessary routines are available before component execution.

9523 INSUFFICIENT CORE AVAILABLE FOR COMPONENT EXECUTION.

EXPLANATION - Self-explanatory. Rerun job.

9524 UNABLE TO ALLOCATE DATA SETS REQUIRED FOR COMPONENT TRANSLATOR.

EXPLANATION - Temporary data sets necessary could not be allocated. In most cases this is due to lack of disk space. Rerun job.

9525 RUN TERMINATED IN FMI DUE TO SEVERE ERRORS.

EXPLANATION - Correct all logic statement errors and try again. If problem reoccurs submit a DCR supplying all pertinent information.

9526 RUN TERMINATED IN FML DUE TO SEVERE ERRORS.

EXPLANATION - See message 9525.

9527 RUN TERMINATED IN FMLP DUE TO SEVERE ERRORS.

EXPLANATION - See message 9525.

9528 RUN TERMINATED IN FMOM DUE TO SEVERE ERRORS.

EXPLANATION - See message 9525.

9529 UNRECOVERABLE ERRORS DETECTED IN EDIT PASS I.

EXPLANATION - Verification of RASP query was terminated during the first syntax pass. Correct errors found in query and verify again.

9530 NO RETRIEVAL STATEMENTS ('TITLE', 'IF', 'SORT', 'SELECT', 'LIMIT') FOUND IN INPUT STREAM.

EXPLANATION - Self-explanatory.

9531 RUN TERMINATED IN FMTPLIST DUE TO SEVERE ERRORS.

EXPLANATION - See message 9525.

9532 RUN TERMINATED IN NFL DUE TO SEVERE ERRORS

EXPLANATION - See message 9525.

9534 EXECUTION TERMINATED BY ABEND IN prgname - phasename. ABEND CODE EQUALS nnn system or user TERMINATION.

EXPLANATION - An FM program has ABENDed. The code and message indicate where the error is located. Correct all logic statement errors. If problem re-occurs submit a DCR supplying all pertinent information.

9541 ERROR ENCOUNTERED IN *ASMOPT OPTION LIST.

EXPLANATION - Either an invalid option was encountered or the list was not terminated by a blank. Correct the error and rerun.

9542 NO INPUT TO ASSEMBLER.

EXPLANATION - Self-explanatory. Verify that input is on the EDIT work file and rerun. If the problem recurs, contact NIPS Technical Support group.

9543 I/O ERRORS ON WORK DATA SETS.

EXPLANATION - Self-explanatory. Rerun.

9544 JCL REQUIRED FOR ASM FUNCTION MISSING.

EXPLANATION - The JCL needed to verify ALC source code is not in the TP procedure. TP must be restarted using a procedure which contains the required JCL. The JCL requirements are set forth in the NIPS Installation manual, TR 54-74.

6.5 FORMATTER Error and Diagnostic Messages

FORMATTER error messages consist of two types, the Definition Phase error messages and the operational phase error messages. Each error message is identified by a five digit number, starting with the digits 80.

6.5.1 Definition Phase Error Messages

The following error messages result from errors found during the FORMATTER Definition Phase. FORMATTER will examine the entire format definition for errors and write the appropriate error messages on the OMQ or printer. If FORMATTER discovers any errors, the format definition will not be added to the user library.

For most of the errors, the corrective action is implied by the message itself.

80202 DISPLAY STATEMENT MISSING. SKIPPING TO NEXT DISPLAY STATEMENT.

EXPLANATION - A DISPLAY statement must be the first statement in a format definition.

80203 REQUIRED FIELD STATEMENT IS MISSING.

EXPLANATION - There must be at least one FIELD statement after a DISPLAY statement for the format definition.

80204 UNEXPECTED END OF STATEMENT. KEYWORD MISSING.

EXPLANATION - The last keyword in the statement was not followed by an operand value.

80207 XXXXXXXX ALREADY EXISTS IN LIBRARY.

EXPLANATION - A format with the specified name is already in the user library.

80210 INVALID KEYWORD.

EXPLANATION - An invalid parameter keyword was found in the statement.

80211 INVALID OPERAND CONSTRUCTION.

EXPLANATION - The operand value for the specified parameter keyword is not one of the allowable options.

80212 FORMAT NAME IS A RESERVED WORD.

EXPLANATION - SIGNOFF or UPDATE was specified as the format name.

80213 INVALID DEVICE TYPE.

EXPLANATION - The value specified for the DEVTYP parameter is invalid.

80214 UNDERLINE OPTION IS INVALID WHEN THE TYPE KEYWORD SPECIFIES PROTECTED.

EXPLANATION - The UNDERLINE option is pertinent for unprotected fields only.

80215 INVALID IMQ/CRT LOCATION.

EXPLANATION - The operand value specified for the IMQLOC or CRTLOC parameter is invalid.

80216 INVALID IMQ/CRT LENGTH.

EXPLANATION - The operand value specified for the IMQLEN or CRTLEN parameter is invalid.

80220 INVALID REPEAT OPTION.

EXPLANATION - The REPEAT option is valid only when EXECUTE is coded for the NEXT parameter.

80221 NEITHER CRTLOC NOR IMQLOC CODED. AT LEAST ONE IS REQUIRED.

EXPLANATION - A FIELD statement must define a CRT or IMQ field.

80222 CRT/IMQ FIELD LENGTH WAS NOT CODED.

EXPLANATION - A CRT or IMQ field was defined. The field length must be coded since a VALUE parameter was not.

80223 VALUE LITERAL LENGTH GREATER THAN CODED FIELD LENGTH.

EXPLANATION - The length of the literal coded for the VALUE parameter is greater than the value coded for the CRTLEN or IMQLEN parameter.

80224 INVALID CRT PARAMETER. CRTLOC NOT CODED.

EXPLANATION - A CRT field parameter has been coded, but CRTLOC must be coded when defining a CRT field.

80225 MULTIPLE CRT DEFINITIONS ARE INVALID WHEN THE TYPE KEYWORD SPECIFIES UNPROTECTED.

EXPLANATION - Multiple CRT definitions are pertinent only when the TYPE is PROTECTED.

80226 INVALID IMQ PARAMETER. IMQLOC NOT CODED.

EXPLANATION - An IMQ field parameter has been coded, but IMQLOC must be coded when defining an IMQ field.

80230 NO STORAGE AVAILABLE FOR DEFINITION PHASE TRANSLATOR.

EXPLANATION - Self-explanatory. To alleviate this problem in the batch mode, increase the region size. In the on-line mode, try again. Increase the region size if the error persists.

ERROR CODES

80231 DUPLICATE LOCATION IN STATEMENTS ii AND jj.

EXPLANTION - A CRT or IMQ field location is defined in both statements.

80232 CRT FIELD LOCATION OUTSIDE CRT SCREEN RANGE.

EXPLANATION - The location of the CRT field extends beyond column 80 or row 24. Note that the CRT column or row location values may not be 00.

80302 STATEMENT ii CRT LENGTH TRUNCATED. OVERLAPS STATEMENT jj.

EXPLANATION - The CRT field defined in statement ii is truncated because it overlaps the CRT field defined in statement jj. This is a warning message, processing of the format definition continues. Note that the field truncation may create undesired results.

80303 NO STORAGE AVAILABLE FOR DEFINITION OUTPUT.

EXPLANATION - Insufficient main storage is available for the definition output processing. Increase region size if error persists.

80304 LIBRARY DIRECTORY ERROR STOWING FORMAT XXXXXXXXXX.

EXPLANATION - An error occurred while attempting to add an entry in the library directory. Retry.

80305 I/O ERROR WRITING FORMAT XXXXXXXXXX.

EXPLANATION - Self-explanatory. Try again.

80306 LIBRARY DIRECTORY IS FULL. FORMAT XXXXXXXXXX WAS NOT STOWED.

EXPLANATION - The directory of the user library is full. Increase directory space.

80307 XXXXXXXXXX HAS BEEN STOWED IN THE FORMAT LIBRARY.

EXPLANATION - Advisory message. No action is needed .

6.5.2 Operational Phase Error Messages

The following error messages result from errors during the Operational Phase of FORMATTER. After the error message is displayed, processing will cease and FORMATTER will enter the WAIT state.

80002 NO DD CARD FOR USER LIBRARY.

EXPLANATION - Add an SLIB Data Definition card to the JCL deck, as specified in the Job Preparation manual.

80003 USER LIBRARY DSNAME NOT SPECIFIED.

EXPLANATION - Specify the library data set name and retry.

80004 CANNOT LOCATE XXXXXXXXX USER LIBRARY VOLUME.

EXPLANTION - Catalog library name

80005 XXXXXXXX USER LIBRARY IS NOT MOUNTED.

EXPLANATION - Self-explanatory. Ask operator to mount volume.

80006 XXXXXXXX USER LIBRARY IS NOT ON THE SPECIFIED VOLUME.

EXPLANATION - Self-explanatory. Verify catalog status.

80007 XXXXXXXX USER LIBRARY OPEN FAILURE.

EXPLANATION - The user library could not be opened.

80008 XXXXXXXX USER LIBRARY ENQ FAILURE.

EXPLANATION - The user library is not available for use, another user is writing on the library. Wait and try again.

80009 XXXXXXXX LIBRARY ACCESS IS NOT PERMITTED.

EXPLANATION - The user does not have authority to access this library. Access authority can only be given to the user through the installation controlled access validation subroutine.

80010 XXXXXXXX USER LIBRARY RECORD FORMAT IS NOT UNDEFINED.

EXPLANATION - The user library must be a data set with undefined record format.

80101 NO STORAGE AVAILABLE FOR (FORMAT, SUB/TAB, HOLD, RESPONSE or DEFINTR) WORK AREA.

EXPLANATION - Self-explanatory. Try again. Increase region size if error persists.

80102 FORMATTER COMMAND IS INVALID.

EXPLANATION - The only permissible FORMATTER commands are SIGNOFF, UPDATE or a format name.

80103 XXXXXXXX FORMAT ACCESS IS NOT PERMITTED.

EXPLANATION - The user does not have authority to access this format. Access authority can only be given to the user through the installation controlled access subroutine.

80104 XXXXXXXX SUB/TAB LOAD I/O ERROR.

EXPLANATION - I/O error occurred while loading the EDIT subroutine or table. Retry.

80105 XXXXXXXX SUB/TAB IS NOT IN THE LIBRARY.

EXPLANATION - Self-explanatory.

80106 XXXXXXXX SUB/TAB ERROR FOR FIELD rrcc.

EXPLANATION - An error occurred while processing data through the specified EDIT subroutine or table.

80107 NO IMQ DATA WAS CREATED BY FORMAT DATA ENTRY - COMPONENT WAS NOT EXECUTED.

EXPLANATION - Self-explanatory.

80108 XXXXXXXX TP SERVICE INTERFACE FAILURE.

EXPLANATION - TP interface to NIPS component failed. See systems programmer.

80109 ABSOLUTE IMQ REFERENCES FOLLOW RELATIVE REFERENCES.

EXPLANATION - A format chained to a format using RELATIVE IMQ reference can not use ABSOLUTE IMQ reference.

80110 IMQ CAPACITY EXCEEDED. XXXXXXXX WAS NOT EXECUTED.

EXPLANATION - The IMQ space was exceeded. This was caused by too many relative IMQ references. Increase the IMQ if the error persists.

80111 FORMAT XXXXXXXX IS NOT IN THE LIBRARY.

EXPLANATION - The user requested a format which does not exist on the format library.

ERROR CODES

80112 XXXXXXXXXX FORMATER IS WAITING. where: X is either TEST MODE or CANCELLED

EXPLANATION - Self-explanatory information message.

80113 FORMATTER IS NOW SIGNED OFF.

EXPLANATION - Self-explanatory information message.

80114 ODE WORK IS NOT DEFINED IN THE SYSTEM. SESSION CANCELLED.

EXPLANATION - A format that included WORKLOC in its definition was loaded in a NIPS system that does not include the Formatter work area.

80115 LOADED MEMBER IS NOT A FORMAT.

EXPLANATION - The member named as the next format to be processed does not contain a hex '00' in the second byte from the entry point. The display session is cancelled.

Section 7

UTILITY COMPONENT

ERROR CODES

This section contains the error codes for the major utility functions provided. Contained within the section are the error codes for TABGEN, DATA CONVERSION, UTBLDISM, and UTQRTQDF functions.

7.1 11XX Series TABGEN Utility Error Codes

1101 * BLANK CARD ERROR *

Cause - A table value card was processed with no argument and function defined. That is, a blank card was encountered.

1102 * FREE FORMAT ERROR; NOT TWO FIELDS ON CARD *

Cause - A table value card was processed with only one field of data. Possibly, there may have been no separating blank character.

1103 * FIXED FORMAT ERROR, ONE OF FIELDS BLANK *

Cause - Only one data item was found in a table value card within the defined boundary.

ERROR CODES

1104 * FIELD LENGTH ERROR, ARGUMENT EXCESSIVE *

Cause - An argument data item was found to be larger than defined by the table identification card.

1105 * FIELD LENGTH ERROR, FUNCTION EXCESSIVE *

Cause - A function data item was found to be larger than defined by the table identification card.

1106 * NO DATA CARDS ERROR *

Cause - No table value cards were found in the input source deck.

1107 * NO -TABLE- CARD AS FIRST INPUT CARD *

Cause - The first user-supplied card in the input deck was not a table identification card.

1108 * INVALID FIXED TO VARIABLE TABLE NAME *

Cause - The table name specified in the table identification card is invalid.

1109 * BOTH TABLE NAME FIELDS NONBLANK ERROR *

Cause - More than one table name entry appeared in a fixed format table identification card.

1110 * COL. 51 DOES NOT CONTAIN VALID CODE *

Cause - Column 51 of the fixed format table identification card must contain either a blank, F, or S indicating type of format used in the table value cards.

ERROR CODES

1111 * FREE FORMAT REQUIRES COLS. 34-35, 44-45 BE BLANK *

Cause - Column 51 of the fixed format table identification card indicates that the table value cards are coded in free format. However, columns 34-35 and 44-45 of the table identification card were not blank.

1112 * COLS. 31-32 MUST CONTAIN VALID CARD COLUMN OR LENGTH *

Cause - Columns 31-32 of the fixed format table identification card must be used to define location or length of data in the table value cards.

1113 * ONE OF FIELD SIZES GT 78 *

Cause - Data items (arguments and functions) in the table value cards may not exceed 78 characters because the fixed format table identification card was used.

1114 * COLS. 41-42 MUST CONTAIN VALID CARD COLUMN OR LENGTH *

Cause - When using the fixed format table identification card, columns 41-42 must contain the location or length of data in the table value cards.

1115 * VARIABLE LENGTH + FIXED LENGTH EXCEEDS CARD SIZE *

Cause - According to information supplied in the fixed format table identification card, the sum of the fixed and variable data values exceeds 80 characters.

1116 * BOTH TABLE NAME FIELDS BLANK *

Cause - No table name was supplied in the fixed format Table Identification card.

1117 * INVALID VARIABLE TO FIXED TABLE NAME *

Cause - The table name specified in the table identification card is invalid.

1118 * FIXED FIELD L.O.P. INVALID COLUMN *

Cause - Incorrect specification in the table identification card for the low-order position of fixed field data in the table value cards.

1119 * FIXED FIELD L.O.P. LESS THAN H.O.P. *

Cause - An erroneous specification of the low- and high-order positions of data for the table value cards has been detected in the table identification card.

1120 * VARIABLE FIELD L.O.P. INVALID COLUMN *

Cause - Incorrect specification in the table identification card for the low-order position of variable field data in the table value cards.

1121 * VARIABLE FIELD L.O.P. LESS THAN H.O.P. *

Cause - An erroneous specification of the low-and high-order positions of data for the table value cards has been detected in the table identification card.

1122 * COL. 50 DOES NOT CONTAIN VALID FLAG OF I, O, OR B *

Cause - Column 50 of the fixed format table identification card must contain a definition of the table's application.

1123 * MISSPELLED OR OMITTED KEY WORD *

Cause - A keyword in the table identification statement has been misspelled or omitted.

1124 * INVALID VALUE FOLLOWS KEY WORD 'USE' *

Cause - Self-explanatory. Acceptable values are I, INPUT, O, OUTPUT, B, or BOTH.

1125 * INVALID VALUE FOLLOWS KEY WORD 'PAGE' *

Cause - Self-explanatory. Acceptable values are 1K, 2K, or 4K.

1126 * INCORRECT SYNTAX FOR H.O.P./L.O.P. SUBFIELD *

Cause - Self-explanatory.

1127 * INVALID OR EXCESSIVE ARGUMENT OR FUNCTION LENGTH *

Cause - Self-explanatory. The combined length of the ARG/FUNC pair may not exceed 256 characters.

1128 * PARENTHESIS OMITTED OR TOO MANY SUBFIELDS FOLLOW KEYWORD 'ARG' OR 'FUNC' *

Cause - Too many subfields follow the keyword 'ARG' or 'FUNC'.

1129 * PARENTHESIS OMITTED OR TOO MANY SUBFIELDS FOLLOW KEYWORD 'ARG' OR 'FUNC' *

Cause - Parenthesis enclosing 'ARG' or 'FUNC' keyword values do not balance.

1131 * INVALID SYNTAX IN SUBFIELDS FOLLOWING KEYWORDS 'ARG' OR 'FUNC' *

Cause - In examining the values specified for the keywords 'ARG' or 'FUNC', an invalid value was detected.

1132 * OMITTED OR CONFLICTING VALUES IN LENGTH OR H.O.P./L.O.P. SUBFIELDS *

Cause - Self-explanatory.

1133 * CANNOT SPECIFY VARIABLE LENGTH TO VARIABLE LENGTH GENERATION *

Cause - Information coded in the table identification card specifies either implicitly or explicitly that table value cards contain variable length arguments and functions. Not permissible.

1134 * CONFLICTING POSITION INFORMATION FOLLOWS KEYWORDS 'ARG' AND 'FUNC' *

Cause - The POS subfield within the 'ARG' and 'FUNC' keyword subfield lists conflict. If the Argument is to be first (ONE) on the table value card then the Function must be second (TWO). If the Argument is to be second then the Function must be first. The defaults are 'ONE' for Argument and 'TWO' for Function. If the user specifies 'TWO' for the Argument, the default for the Function becomes 'ONE'. If the user specifies 'ONE' for the Function, the default for the Argument becomes 'TWO'.

1135 * EXPECTING CONTINUATION - NONE FOUND *

Cause - A keyword-format Table Identification card or table value card contained a non-blank character in card column 71 but no card of any kind followed.

1136 * ARGUMENT OR FUNCTION EXCEEDS MAXIMUM LENGTH OF 255 *

Cause - Self-explanatory.

1137 * COMBINED ARGUMENT/FUNCTION LENGTH EXCEEDS 256 *

Cause - Self-explanatory.

1138 * TABLE NAME OMITTED *

Cause - Self-explanatory.

1139 * NO VALUE FOLLOWS KEY WORD *

Cause - Self-explanatory.

1140 * ERROR IN PARAMETER FIELD OF EXEC CARD. RUN TERMINATED *

Cause - The value coded following the keyword PARM on the EXEC TABGEN card is non-numeric.

1141 * ERROR FOUND BY SORT. RUN TERMINATED *

Cause - An error occurred during the SORT. See system programmer.

1142 * TABLE GENERATION COMPLETE. ALL SUCCESSFULLY EDITED TABLES HAVE BEEN ADDED TO LIBRARY *

Cause - Self-explanatory.

1143 * ERROR FOUND BY TABGEN. ATTEMPT TO GENERATE TABLE XXXXXXX UNSUCCESSFUL *

Cause - For reasons specified in previous message the mentioned table was not generated. Other successfully edited tables in the run were added to the library.

1144 * ILLEGAL ALPHA CHARACTER APPEARS IN NUMERIC FIELD *

Cause - Either the FUNC or ARG parameter specified a nonnumeric value.

1145 *SYNTAX ERROR ON DELETE CARD*

Cause - Unbalanced parentheses or incorrect spacing between table names on DELETE card.

1151 * TABLE XXXXXXXXX REPLACED IN (DELETED FROM) LIBRARY, nn PAGES.

Cause - Self-explanatory.

1152 * MORE THAN 25 DIFFERENT LENGTHS ON PAGE YYYYYYYY OR TABLE XXXXXXXX. TABLE NOT ADDED.

Cause - Self-explanatory.

1153 * MORE THAN 132 PAGES IN TABLE XXXXXXXX. TABLE NOT ADDED.

Cause - Self-explanatory.

1154 * MAXIMUM PAGE DIRECTORY SIZE EXCEEDED FOR TABLE XXXXXXXX. TABLE NOT ADDED.

Cause - The Page Directory, which consists of entries which are determined by the table name and a single argument, has no more space for additional entries. Either the page size is too small or the argument length is too large.

To correct the problem, increase the page size request on the table identification card (Page=2K or Page=4K) and resubmit the job. If Page=4K has already been specified, contact system programmer.

1155 * ATTEMPT TO ADD OR CHANGE (DELETE) DIRECTORY MEMBER -YYYYYYYY- FOR SYSLMOD DATA SET UNSUCCESSFUL. CODE=(X).

Cause - An unsuccessful attempt was made to update the directory of the data set referenced by the //SYSLMOD DD statement using a STOW macro instruction, due to one of the following causes:

Code	Reason
S	No space left in directory.
I	A permanent I/O error occurred.
N	Table was not found on library for deletion.

For code=S, increase the library directory size and resubmit the job.

For code=I, contact system programmer.

1156 * THE SYSLMOD DATA SET COULD NOT BE OPENED.

Cause - An unsuccessful attempt was made to open the data set referenced by the //SYSLMOD DD statement. Most probable cause is the absence of this DD statement in the job set up. Correct the DD statement and resubmit the job.

The following user ABEND codes may appear during TABGEN:

0001 - An intermediate table value record has been passed to the OS/SORT with an incorrect length. See system programmer.

0002 - An intermediate table identifier record has been passed to the OS/SORT with an incorrect length. See system programmer.

1150 * TABGEN WAS UNABLE TO CONTINUE PROCESSING.

Cause - The cause of the error has been printed as one of the following message codes: 1155 or 1156.

7.2 12XX Series - SUBLDR Utility Error Codes

1200 NO CONTROL CARD SPECIFIED -SUBRT-.

Cause - Invalid or missing subroutine control card.

Action - Correct or add subroutine control card and rerun.

1205 INVALID SUBROUTINE NAME.

Cause - Self-explanatory.

Action - Correct subroutine name and rerun.

1210 INVALID ARGUMENT SIZE SPECIFICATION.

Cause - Self-explanatory.

Action - Correct size and rerun.

1215 INVALID FUNCTION SIZE SPECIFICATION.

Cause - Self-explanatory.

Action - Correct size and rerun.

ERROR CODES

1220 INVALID CONVERSION TYPE CODE.

Cause - Self-explanatory.

Action - Correct code type and rerun.

1225 INVALID ARGUMENT TYPE CODE.

Cause - Self-explanatory.

Action - Correct code type and rerun.

1230 INVALID FUNCTION TYPE CODE.

Cause - Self-explanatory.

Action - Correct code type and rerun.

1235 INSUFFICIENT FIELDS, NINE FIELDS REQUIRED.

Cause - Self-explanatory.

Action - Add required number of fields and rerun.

1240 NO ASSEMBLER CARDS.

Cause - No input to the assembler upon edit of subroutine control card.

Action - Check subroutine control card for invalid information. Correct and rerun.

1245 MAXIMUM ARG/FUNCT SIZE EXCEEDED.

Cause - Argument/Function size is greater than 256 bytes.

Action - Reorganize size and rerun.

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NMCS INFORMATION PROCESSING SYSTEM 360 FORMATTED FILE SYSTEM (N--ETC(U)
SEP 78

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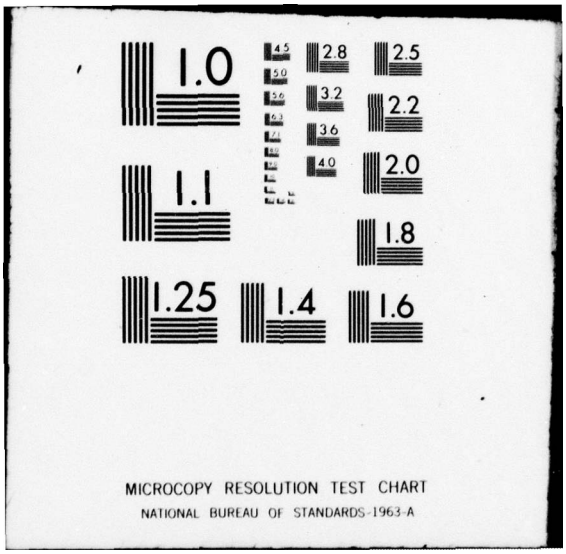
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7.3 13XX Series - Data Conversion Error Codes.

1300 THE OUTPUT FILE IS OUT OF SEQUENCE AND MUST BE SORTED.

Cause - The converted file is not in sequence and must be sorted before it can be used.

Action - Sort the file and rerun.

1310 ERROR - ILLEGAL CHARACTER IN NUMERIC FIELD.

Cause - During scan of numeric field, a nonnumeric character other than blanks and a sign in the low-order byte was detected.

Action - Correct numeric field and rerun.

1320 THE OUTPUT FILE IS OUT OF SEQUENCE AND MUST BE SORTED.

Cause - Same as error code 1300.

1330 MAXIMUM BLOCKSIZE EXCEEDED.

Cause - The record where key is XXXXXXX exceeded the maximum blocksize.

Action - The record is not written on the output tape. Ensure that record key is within blocksize and rerun.

1340 FIELD NAMED -XXXXXX- NOT CONVERTED GROUP.

Cause - The field, or group, named XXXXXX was not converted.

Action - Check field or group name for invalid length or characters. Correct and rerun.

1350 COORDINATE FIELD NAMED -XXXXXXX- NOT CONVERTED. GROUP.

Cause - The coordinate field, or group, names XXXXXXX was not converted because its length in the 1410 was not 13 characters.

Action - Correct the length of the field or group name and rerun.

1360 UNABLE TO LOCATE NAME -XXXXXXX- in S/360 FPT.

Cause - The name XXXXXXX does not appear in the FPT.

Action - The field or group can not be converted. Review FPT for field or group correct and rerun.

1370 NO STATISTICS PRINTED FOR A NEW DATA FILE THAT HAS BEEN CREATED ON DISK.

Cause - Advisory message.

Action - Self-explanatory. No action required.

1380 SEQUENCE ERROR IN INPUT DECK - RUN ABORTED.

Cause - The 1410 FPT object deck is out of sequence.

Action - Correct object deck and rerun.

1390 ILLEGAL CARD TYPE IN INPUT STREAM.

Cause - The first card in the 1410 FPT object deck is not a TITLE card.

Action - Ensure that first card is TITLE card.

7.4 14XX Series - UTBLDISM Utility Error Codes

UTBLDSIM - the following error messages would be found preceding an ABEND 200 dump:

1400 I/O ERROR ENCOUNTERED READING SAM FILE.

Cause - An uncorrectable input/output error was detected while reading the SAM input file.

Action - Reexecute the job that created the SAM file. If the error persists, see the system programmer.

1404 I/O ERROR ENCOUNTERED WRITING ISAM FILE.

Cause - An uncorrectable input/output error was detected while writing the ISAM output file.

Action - DASDI the pack and execute the jobs again. If the error persists, see the system programmer.

1408 LOWER KEY LIMIT NOT FOUND.

Cause - A search for the lower key limit on the ISAM file was unsuccessful.

Action - If the error persists, see the system programmer.

1412 UNABLE TO OPEN SAM FILE.

Cause - An error occurred during the execution of the OPEN macro instruction for a sequential data set.

Action - If the DD statement for the SAM file is missing from the JCL, add the DD statement and rerun the job. Otherwise, if the error persists, see the system programmer.

1416 INVALID DEVICE ADDRESS FOR LOWER LIMIT.

Cause - An address for a lower key limit was an invalid device address.

Action - If the error persists, see the system programmer.

1420 INSUFFICIENT SPACE TO CREATE ISAM FILE.

Cause - Insufficient space was allocated in the prime area of the indexed sequential data set to contain the data present in the SAM file.

Action - Increase the space allocation to the prime area and run the job again.

1424 UNREACHABLE BLOCK ON ISAM.

Cause - In processing an ISAM file, a block of data was in an unaccessible location.

Action - If error persists, see the system programmer.

1428 FILE OUT OF SEQUENCE PART OF RECORD IN ERROR - XXX....

Cause - An input record from the SAM file was out of sort sequence. The leading part of the unsorted record is shown on the second error message.

Action - Correct the record out of sequence by sorting the file and run the job again.

1432 DUPLICATE RECORD IN ISAM FILE

Cause - Two records for an ISAM file have the same key value. The key value in the partial record displayed in the second error message is identical to the preceding record in the ISAM file.

Action - Correct the record with the duplicate key and rerun the job.

1436 UNABLE TO OPEN ISAM FILE.

Cause - An error occurred during the execution of an OPEN macro instruction for an indexed sequential data set.

Action - If the error persists, see the system programmer.

1437 PARM OPTIONS INCONSISTENT. EXPAND CANNOT BE USED WITH EITHER COMPRESS OR COMPACT. RUN TERMINATED.

Cause - The PARM on the EXEC card is used to specify the output file form. EXPAND and COMPRESS or COMPACT are mutually exclusive options.

Action - Correct the error on the EXEC card.

1438 COMPRESSION/COMPACTION RECORD CANNOT BE EXPANDED. RECORD=XXXXXXXXXXXXXX

Cause - The record whose record ID is printed cannot be processed by the NIPS system subroutine UTEXPAND.

Action - The record in question should be examined by the system programmer.

1439 SAM INPUT FILE FORM IS XXXXXXXXXX
** ISAM OUTPUT FILE FORM IS XXXXXXXXXX

Cause - Advisory message.

Action - No action required.

1440 NIPS ISAM DATA FILE HAS BEEN SUCCESSFULLY CREATED.

Cause - Advisory message.

Action - No action required.

1441 PARM LIST CONTAINS INVALID QUANTITY

Cause - Advisory message. The PARM on the EXEC card contains a quantity which is not recognized by the UTBLDISM program.

Action - Reexamine the EXEC card.

52101 ***THE DATA FILE COULD NOT BE OPENED TO WRITE THE N RECORD. NO N RECORD ON FILE.

Cause - See Error Code 52101 in the FM section of this manual.

Action - Same as cause.

52109 ERROR OCCURRED WHILE WRITING THE N RECORD. (The actual cause of the error will be printed here.) N RECORD (IF PRESENT) NOT ACCURATE.

Cause - See Error Code 52109 in the FM section of this manual.

Action - Same as cause.

7.5 15XX Series - UTBLDSAM Utility Error Codes

UTBLDSAM - the following error messages will be found preceding an ABEND 200 dump.

1500 NIPS SAM DATA FILE HAS BEEN SUCCESSFULLY CREATED.

Cause - Advisory message.

Action - No action required.

1505 USER HAS NO DATA RECORDS. NO STATISTICS PRINTED.

ERROR CODES

Cause - Advisory message.

Action - No action required.

1510 ERROR * UNABLE TO OPEN INPUT FILE. RUN TERMINATED.

Cause - An error occurred during the execution of an OPEN macro instruction.

Action - If the DD statement for the file is missing from the JCL, add the DD statement and rerun the job. The format of the OPEN macro should also be checked. If the error persists, see the system programmer.

1515 ERROR * UNABLE TO OPEN OUTPUT FILE. RUN TERMINATED.

Cause - An error occurred during the execution of an OPEN macro for a sequential data set.

Action - Check for DD statement and format of OPEN macro. If error persists, see system programmer.

1520 ERROR * DD CARD FOR INPUT FILE NOT SPECIFIED. RUN TERMINATED.

Cause - The DD statement was not specified.

Action - Add DD statement and rerun job.

1525 ERROR * INSUFFICIENT STORAGE WAS ALLOCATED. RUN TERMINATED.

Cause - Insufficient storage was requested.

Action - Increase region size and rerun job. If error persists, see system programmer.

1530 ERROR * THE DSNAME OF DSCB FORMAT 1 WAS NOT FOUND. RUN TERMINATED.

Cause - The fully qualified name of the data set whose associated DSCB is to be read was not placed in the 44-byte main storage location.

Action - Check the second operand of the CAMLST macro instruction which defines the name of the data set to see if it is a 44-byte length character. If not, define it and rerun the job. If the error persists, see the system programmer.

1537 PARM OPTIONS INCONSISTENT. EXPAND CANNOT BE USED WITH EITHER COMPRESS OR COMPACT. RUN TERMINATED.

Cause - The PARM on the EXEC card is used to specify the output file form. EXPAND and COMPRESS or COMPACT are mutually exclusive options.

Action - Correct the error on the EXEC card.

1538 COMPRESSION/COMPACTION RECORD CANNOT BE EXPANDED. RECORD = XXXXXXXXXXXXXX

Cause - The record whose record ID is printed cannot be processed by the NIPS system subroutine UTEXPAND.

Action - The record in question should be examined by the system programmer.

1539 INPUT FILE FORM IS XXXXXXXXXX
SAM OUTPUT FILE FORM IS XXXXXXXXXX

Cause - Advisory message.

Action - No action required.

1541 PARM LIST CONTAINS INVALID QUANTITY

Cause - Advisory message. The PARM on the EXEC card contains a quantity which is not recognized by the UTBLDISM program.

Action - Reexamine the EXEC card.

1542 SERIOUS ERROR, CONTACT SYSTEMS PROGRAMMER.

Cause - Some flag bits which control the output file are invalid.

Action - Contact systems programmer.

7.6 16XX Series - UTQRTQDF Utility Error Codes

ABEND 0001

1600 PHYSICAL EODAD IN QDF - ERROR ABEND.

Cause - A physical end of data was encountered on the Qualifying Data File. This condition implies a bad answer file.

Action - Corrective action would require rerunning the RASP processor to create a good QDF.

1605 ERROR READING QRT - ERROR ABEND.

Cause - Indicates an I/O failure while reading the Qualifying Record Table.

Action - Corrective action requires rerunning the RASP processor to create a good QRT.

ABEND 0002

1610 INVALID KEYWORD - RUN TERMINATED.

Cause - An unrecognizable key word was found during control card processing.

Action - The user should check the input control card, correct, and resubmit the run.

1615 NO ANSWER SET FOR QUERYNO/RITID.

Cause - The query number or the query number and RITID specified in the control card do not correspond to an answer set on the QRT/QDF provided to the program.

Action - Recheck the RASP run which produces the answer set, correct the control parameter and resubmit the run with the correct query number and/or RITID.

1620 QRT/QDF IS MULTIFILE PRODUCT - ERROR.

Cause - Run is not permitted.

Action - Change run to produce single file product.

1625 NO FILE RECORD ON QRT - BAD INPUT.

Cause - This is a series of system problems usually indicated by a bad QDF. The program is saying that it can find a Qualifying Data File data set, but cannot find a critical control record in the set.

Action - No corrective action can be taken except to rerun the RASP job creating the answer stream and retrying the utility. If error persists, contact system programmer.

1630 ONLY ONE CONTROL CARD PERMITTED.

Cause - All input parameters must be supplied on a single control card.

Action - Recheck the input stream, eliminate superfluous card, and resubmit run.

ERROR CODES

ABEND 0003

1635 EOD FOUND COPYING FFT AND LS - NO DATA.

Cause - The program is stipulating that no data qualified during the RASP run creating the QUERY/RITID answer stream identified in the utility control card.

Action - Check the output statistics from RASP. If data was actually qualified, contact system programmer.

1640 BAD RECORD TYPE FOUND - RUN TERMINATED.

Cause - During the file copy phase of the FFT and logic statement copy process, an unidentifiable record type was found. This problem would only occur with a bad Qualifying Data File.

Action - Corrective action could only be resubmission of the RASP run creating the answer set, and retrying the utility. If error persists, contact system programmer.

1645 USER SPECIFIED SORT - CAN'T PROCESS.

Cause - Run is not permitted.

Action - Rerun job without sort specification.

1650 MULTIPLE IF/SELECT STATEMENTS USED WITH QUERY/RITID SPECIFIED - RUN ABORTED.

Cause - Run is not permitted.

Action - Self-explanatory.

1655 NO RECORD FOUND - RUN TERMINATED.

Cause - No records were found.

Action - Check file and ensure that records are present.

ABEND 256

XXXX RECORD ID SPECIFIED BY THE QRT CANNOT BE FOUND IN THE QDF.

Cause - The QRT and QDF are out of synchronization.

Action - Rerun the BASP and the UTQRTQDF steps. If the error recurs, see a NIPS system programmer.

1699 WARNING - THIS FILE BUILT FROM QRT/QDF WITHOUT AN FFT.

Cause - The QRT/QDF input does not contain the FFT.

Action - The resulting NIPS file does not contain the FFT.

7.7 17XX Series - UTSUBCHK Utility Error Codes

1700 CONVERSION CODE IN COL - 10 NOT -B- OR BLANK -.

Cause - Self-explanatory.

Action - Correct code and rerun job.

1710 NO SUBROUTINE NAME GIVEN.

Cause - Self-explanatory.

Action - Supply subroutine name and rerun.

1720 INPUT ARGUMENT LENGTH INCORRECT.

Cause - The input argument length must be greater than zero and less than or equal to 255 bytes.

Action - The input argument length, if specified, must be three digits long (use leading zeros for padding) and begin in col 12.

1730 BLANK CARD BYPASSED.

Cause - Variable length data was specified and a blank card was encountered as input to the subroutine.

Action - Correct the problem and resubmit job.

1740 THE NUMBER IS TOO LARGE TO CONVERT.

Cause - Binary conversion was specified and the arqument length was given as greater than +2,147,483,647.

Action - Correct the argument length and rerun.

1750 UNABLE TC OPEN SUBROUTINE LIBRARY.

Cause - The SLIB DD card is either missing or incorrectly specified.

Action - Correct SLIB DD card and rerun.

1760 UNABLE TO LOCATE SUBROUTINE.

Cause - The subroutine specified could not be found as a member of the partitioned data set described on the SLIB DD card or a permanent input/output error was detected when attempting to search directory of that PDS.

Action - Place subroutine on library making sure name is spelled properly and rerun.

7.8 18XX Series - UTDMPLIB Utility Error Codes

This subsection contains the possible error messages, conditions which cause the errors, and the applicable actions to be taken by the user while executing the UTDMPLIB utility.

1800 INVALID CONTROL CARD.

Cause - Self-explanatory.

Action - User should check the formatting of the control card and resubmit run after correction.

1810 THE DATA SET WAS NOT FOUND.

Cause - User has requested that the utility access a file which does not exist on the device specified by the user.

Action - Corrective action requires that a check of the JCL for executing the job be made, particular, then spelling of the file name, the volume parameters if the data set is not cataloged, and the unit parameters.

1820 END OF LOGIC STATEMENT. PRINT XXXXXXX.

Cause - Self-explanatory.

1830 SPECIFIED REPORT NAME NOT FOUND -XXXXXXX-.

Cause - The report name, XXXXXXX, specified on the control card was not found.

Action - If spelling is found to be correct the logical action would be for the user to specify the "ALL" option to initiate a list of all report names and logic statement names to see what the file contains.

7.9 19XX Series UTCLASS Utility Error Codes

1900 NO UPDATE PERFORMED NO CLASSIFICATION FOUND.

Cause - No classification found on input control card. Classification may start anywhere between cc 1 and 59 and must not exceed 32 characters.

Action - Correct card input and resubmit job.

1910 DATA FILE CLASS RECORD SUCCESSFULLY UPDATED NEW CLASSIFICATION IS--.

Cause - Advisory Message.

Action - No action required.

7.10 20XX Series UTFLDSCN Error Codes

2000 INVALID OR MISSING SOURCE CARD, SOURCE MODULE OMITTED.

Cause - Invalid parameter on SOURCE card.

Action - Correct card and resubmit the job.

2005 INVALID PARAMETER IN PARM FIELD.

Cause - An invalid parameter has been entered in the PARM field on the EXEC card.

Action - Review EXEC card, make corrections and resubmit the job.

2010 MULTIFILE QUERY/RIT. FILE XXXXXXX IGNORED

Cause - Advisory. A multifile query or RIT has been submitted. Only the input file data fields will be processed.

Action - If desired, include Query or RIT in a job for the file XXXXXXX.

2015 TRANSACTION OUTPUT SUPPRESSED DUE TO LACK OF TRANST OVERRIDE OPTIONS.

Cause - No override options were used to define a transaction file and no TRANST DD was present in job JCL when transaction output was requested.

Action - Include PARM=NT option in job JCL if transactions are not desired. Otherwise, include necessary override options or a TRANST DD card to fully define a transaction file. Rerun the job step.

2020 SOURCE MODULE NAME DOES NOT MATCH NAME SPECIFIED ON CONTROL CARD.

Cause - The SOURCE card name does not match the name on the control card. Name from SOURCE card will be used.

Action - Review listing to determine if this is an error.

2025 NO OUTPUT SPECIFIED. RUN TERMINATED.

Cause - All output has been suppressed by the user.

Action - Review PARM field to determine desired output. Rerun the job.

2030 MEMBER XXXXXXX NOT FOUND ON LIBRARY.

Cause - Library does not contain member named on SOURCE card.

Action - Check for spelling or keypunch errors.

2040 NO LIBRARY INCLUDED IN JOB STREAM.

Cause - A SOURCE card pointing to partitioned data set has been encountered but no parameters were included for a library.

Action - Include symbolic parameters for the library. Rerun the job.

2045 QUERY/RIT FILE NAME XXXXX DOES NOT MATCH DATA FILE NAME. SOURCE STATEMENT IGNORED.

Cause - The file name specified in an RIT or QUERY does not match the file name found on the DATAFILE DD card.

Action - Check job JCL and specify correct file name in DATAFILE DD statement.

2050 DATA FILE MISSING. RUN TERMINATED.

Cause - No symbolic parameters for a DATAFILE were found in job.

Action - Include symbolic parameters for DATAFILE. Rerun the job.

2060 UNABLE TO OPEN SYSIN DATA SET. RUN TERMINATED.

Cause - Missing or invalid SYSIN DD card.

Action - Check JCL and rerun the job.

2070 UNABLE TO OPEN USER LIBRARY. NO MEMBERS WILL BE PROCESSED.

Cause - Missing or invalid symbolic parameters for user library.

Action - Check JCL and rerun the job.

2080 NO DATA FIELDS REFERENCED BY SOURCE MODULE XXXXXXXXXXX -, COMPONENT - XXXX.

Cause - Self-explanatory.

Action - None.

2085 NO DATA FIELDS WERE REFERENCED BY THIS SOURCE MODULE.

Cause - No FPT field references were included in source statements.

Action - Review listing to determine if this is an error. Check to determine that source statement file and data file are synonymous.

2090 UNABLE TO OPEN TRANS DATA SET. RUN TERMINATED.

Cause - Missing or invalid symbolic parameters for Transaction Data Set.

Action - Check JCL and rerun the job.

2095 UNABLE TO ALLOCATE BUFFER FOR USER LIBRARY SOURCE STATEMENTS.

Cause - A RECFM other than 'U' or 'FB' was found in DCB or no core was available to allocate for an input buffer.

Action - Check RECFM parameter of source library and correct if in error. Otherwise, increase region size and rerun.

7.11 21XX Series - File Analysis Statistics Error Codes

This section will include all error messages put out by the Statistics capability in the batch components.

2100 INVALID PARAMETER IN PARM FIELD.

Cause - An invalid parameter has been entered in the PARM field on the EXEC card.

Action - Review EXEC card, make corrections, and resubmit the job.

2110 TCS PARAMETER INVALID IN RASP EXECUTION. PARAMETER IGNORED.

Cause - Self-explanatory.

Action - None.

2120 TCS PARAMETER INVALID WITH SAM FILES. PARAMETER IGNORED.

Cause - Self-explanatory.

Action - None.

2130 DATAFILE DOES NOT CONTAIN A STATISTICS RECORD. PARAMETER IGNORED.

Cause - Self-explanatory.

Action - None.

2140 UNABLE TO LOCATE/ALLOCATE TRANSACTION DATA SET. NO TRANSACTIONS WILL BE OUTPUT.

Cause - The volume containing the transaction data set was not mounted or there was no space on the volume to allocate for a Transaction Data Set.

Action - Ensure necessary pack will be mounted during run and that space is available on it. Rerun the job.

2150 UNABLE TO ALLOCATE CORE FOR POS. ROS MAY BE INCOMPLETE.

Cause - Self-explanatory.

Action - Increase region size and rerun the job.

2160 TCS PARAMETER INVALID WITH SOURCE RETRIEVAL EXECUTION. PARAMETER IGNORED.

Cause - Self-explanatory.

Action - Remove TCS parameter from EXEC card.

7.12 22XX Series UTSOURC Error Codes

2200 NO LIBRARY PRESENT, BUT LIB CARD ENCOUNTERED.

Cause - Self-explanatory.

Action - Include a library card in the deck and run the job again.

2201 CONTROL CARD READ, NONCONTROL REQUIRED.

Cause - Warning message. A library action card has been encountered in a job that performs no library maintenance.

Action - Correct job setup and rerun the job.

2202 CONTROL CARD INVALID.

Cause - Self-explanatory.

Action - Correct the erroneous card and rerun the job.

2203 CONTROL CARD REQUIRED, FOUND NONCONTROL. CYCLING TO NEXT CONTROL CARD.

Cause - Warning message. Self-explanatory.

Action - Correct job setup and rerun the portion of the job in error.

2204 LAST ENTRY, XXXXXXXX, NOT STOWED, CODE=X

Cause - An unsuccessful attempt was made to STOW the last member to the user source library.

Code	Reason
4	The directory already contains the specified name.
C	No directory space left in directory.
10	A permanent I/O error occurred.

Action - Correct errors and rerun the job.

2205 ERROR ENTRY XXXXXXXX NOT STOWED. JOB ABANDONED, CODE=X

Cause - An unsuccessful attempt was made to STOW the member indicated by XXXXXXXX to the user source library.

Code	Reason
4	The directory already contains the specified name.
C	No directory space left in directory.
10	A permanent I/O error occurred.

2206 INVALID MEMBER NAME.

Cause - Self-explanatory.

Action - Supply correct member name and rerun the job.

2207 ATTEMPTING TO ADD A MEMBER WITH AN EXISTING NAME. USE A NEW NAME, OR REPLACE OPERATOR.

Cause - Self-explanatory.

Action - Self-explanatory.

7.12.1 40xx Series UTSOURC ABEND Codes

This section contains an explanation of UTSOURC ABEND codes.

ABEND 4090 Stand-alone update mode, but no valid library specified.

ABEND 4091 Cannot open library data set.

ABEND 4092 Cannot open SYSIN data set.

ABEND 4093 Cannot open SOURCPRT data set.

ABEND 4094 I/O Error. Dictionary entry not stored.

7.13 Index Transfer Utility

This section contains an explanation of all messages and ABENDs produced by the UTNDXTRF utility.

3600 TRANSFERRING DATA SET FROM XXXX TO YYYY, VOLUME Serial.

Advisory - The index data set "Data Set" is being transferred from "XXXX" (either DISK or TAPE) to "YYYY" (the opposite of "XXXX") whose volume serial number is "Serial".

3601 INDEX TRANSFER UTILITY COMPLETED.

Advisory - The utility has successfully completed.

3602 DATAFILE NOT SPECIFIED.

ERROR CODES

Cause - The statistics option was requested but the corresponding data file name was not. The transfer of the index data set is completed, but the statistics will not be done.

Action - If statistics are desired, specify the data set name and volume and rerun the job.

3603 I/O ERROR OCCURRED WHILE READING FFT OR DATAFILE.

Cause - Self-explanatory.

The index data set transfer is completed but an I/O error on the data file prevented the calculation of statistics.

ABEND 3602 UTNDXTFR was unable to open DDNAME INDEXDAM data set DCB.

ABEND 3603 UTNDXTFR was unable to open DDNAME INDEXSAM data set DCB.

ABEND 3604 UTNDXTFR was unable to allocate dynamic core storage.

ABEND 3605 Write I/O error processing DDNAME INDEXSAM.

ABEND 3606 Read I/O error processing DDNAME INDEXDAM.

ABEND 3607 Unable to open DDNAME INDEXSAM data set DCB.

ABEND 3608 Unable to initiate Index Maintenance program.

ABEND 3609 Read I/O error while processing DDNAME INDEXSAM.

35XX - NOTE Refer to para 4.12 (Index Processing Messages) for 35XX messages.

7.14 Index Specifications Utility

All error messages produced by UTNDXSPC are described in Section 2.5, Index Specification Messages.

7.15 Dictionary Maintenance Utility

This section contains an explanation of all messages produced by the UTNDXKMD utility.

Unless noted otherwise, the user action for all errors is to correct the error condition and to resubmit all table and value statements for the table in error. If the table existed before the error run, it will not have been changed by the error run. In addition, if the cause of an error is obvious from the message text, no cause is noted with the error number.

3801 FIRST SYSIN IS NOT A TABLE STATEMENT.

3802 TABLE STATEMENT CONTINUATION ERROR.

Cause - A table statement record contains a non-blank character in column 72; it is followed by the beginning of another table statement or by a value statement.

3803 UNIDENTIFIABLE KEYWORD.

Cause - A table statement word followed by an equals symbol cannot be identified.

3804 DUPLICATE KEYWORD.

3805 INVALID STATEMENT FORMAT

Cause - A new table statement has been identified (a keyword following a value statement, or a stopword or dictionary keyword following another table statement); the keyword is not a stopword or dictionary,

or the stopword or dictionary keyword does not begin in column 1 of the record.

3806 INVALID TABLE NAME.

Cause - The name is greater than seven characters; it does not begin with a letter, or it ends with a zero.

3807 INVALID MODE TERM.

Cause - The mode operand is not create, update, or display.

3808 INVALID PAGE SIZE TERM.

Cause - The page size operand is nonnumeric or is greater than 32.

3809 INVALID DISPLAY TERM.

Cause - The display operand is not keywords, synonyms, suffixes, or a combination of these words; or the combination of words is not enclosed in parentheses.

3810 DISPLAY TERM CONFLICTS WITH TYPE.

Cause - A display keyword is present in a table statement whose table type is stopword or whose mode is display.

3811 INVALID DIAGNOSTIC TERM.

Cause - A diagnostic keyword operand is not list or nolist.

3812 MODE IS NOT SPECIFIED.

3814 OPERAND CONFLICTS WITH TYPE.

Cause - The operand of an add or delete keyword conflicts with the table type (stopword, dictionary).

3815 OPERATION IS MISSING.

3816 INVALID ADD/DELETE TERM

Cause - The operand of an add or delete keyword is not stopwords, keywords, suffixes, or synonyms.

3817 INVALID SEQCK TERM.

Cause - The sequence check operand is not yes or no.

3818 OPERATION CONFLICTS WITH MODE.

Cause - Delete operation with create mode.

3819 INVALID ADD SYNONYM FORMAT.

Cause - Parentheses omitted.

3820 INVALID SUFFIX SPECIFICATION.

Cause - The delete count in a suffix specification is either missing or not numeric.

3821 INVALID ADD-SUFFIX VALUE.

Cause - Table statement operation is add-suffix; a value word appears with no suffix specification.

3822 VALUE STATEMENT MISSING.

Cause - A create or update mode table statement is immediately followed by another table statement.

3823 VALUE STATEMENT OUT OF SEQUENCE

Causes - (1) A value statement follows a display mode table statement; (2) value

statements are out of sequence (SEQCK option is yes, columns 73-80).

3824 WORD LENGTH EXCEEDS MAXIMUM.

Cause - A value word is greater than 30 characters.

3825 UNBALANCED PARENTHESES.

Causes - (1) In an add-synonym operation, a group of words is either not preceded by a left parenthesis or is not followed by a right parenthesis; (2) in any operation, a suffix specification right parenthesis is missing.

3826 SUFFIX SPECIFICATIONS EXCEED CAPACITY.

Cause - The total number of characters in the suffix specifications associated with one word exceed 15.

3850 DUPLICATE OPERATION.

Cause - A value statement word follows two or more table statements with the same operation keyword. All occurrences of the word are ignored.

3851 INVALID COMBINED OPERATION.

Cause - A value statement word follows two or more table statements; the combination of operations is add suffix or synonym with delete keyword, or delete suffix or synonym with add keyword. All occurrences of the word are ignored.

3852 COMBINED OPERATIONS CANCEL EACH OTHER.

Cause - The same word type (stopwords, keywords, suffixes, and synonyms) is being both

added and deleted. All occurrences of the word are ignored.

3853 CREATE AND UPDATE STATEMENTS.

Cause - Table statements in the input stream specify create and update modes for the same table. The update statement(s) and all value statements associated with it are ignored; the create statements are processed.

3854 DUPLICATE DISPLAY STATEMENTS.

Cause - Obvious; the duplicate statement is ignored.

3860 INPUT MATCHES CHANGE-FORM SUFFIX.

Cause - During an update, a value statement word matched the changed form of a word with suffix specification. All occurrences of the word are ignored. Only the unchanged form may appear in the input.

3861 INVALID DELETE SUFFIX OPERATION.

Cause - The changed form of a word created from a value statement suffix is not in the table. All occurrences of the value word are ignored.

3862 INVALID DELETE OPERATION.

Cause - A value word to be deleted is not in the table. All occurrences of the value word are ignored.

3863 INVALID DELETE SYNONYM OPERATION.

Cause - A value word matched a table word that was not a synonym. All occurrences of the value word are ignored.

3864 INVALID ADD OPERATION.

Cause - A word or suffix specification to be added is already in the table. All occurrences of the value word are ignored.

3880 CONFLICTING BASE WORDS.

Cause - After combination of add-synonym groups which share common words, two or more existing synonyms in the combined group have different base words. All words in the combined group are listed after the message and are dropped from synonym processing.

3881 BASE FOR NEW GROUP.

Informational - The word which will become the index data set entry for a new synonym group is listed after the message.

3882 NEW BASE FOR EXISTING GROUP.

Informational - The base word for an existing synonym group has been deleted (as a synonym or a keyword) and a new base for the group has been selected. The old and new base words are displayed after the message, preceded by the symbols O and N, respectively.

3883 EXISTING SYNONYM DELETED.

Informational - Update action has reduced a synonym group to one word; an automatic delete synonym operation has been generated for that word which is displayed after the message.

3884 NEW SYNONYM DROPPED.

Cause - Diagnostic errors have reduced a combined group to one valid word. The word is dropped from synonym processing.

3885 TABLE CAPACITY EXCEEDED.

Cause - A table has exceeded 37 pages. All remaining words in the table are ignored.

3886 TABLE NAME, TABLE STATEMENT MODE.

Informational - This message appears when a table has been successfully created or updated.

3889 INSUFFICIENT CORE TO PROCESS TABLE.

Cause - The UTKMDLOD subroutine could not obtain sufficient main storage for its word lists.

Action - Expand the job or step region size.

3890 TABLE IS MISSING FROM THE LIBRARY.

Cause - An update function could not be performed because a table was missing from the library.

Action - Correct the mode (create), the SLIB DD card, or the table name.

3891 LIBRARY DATA SET OPEN FAILURE.

Cause - The OPEN for the designated data set failed.

Action - Insure that Data Defintion cards correctly specify the data set being OPEN'ed.

3892 SYSIN OPEN FAILURE OR NO DATA.

Cause - The OPEN for the designated data set failed.

Action - Insure that Data Definition cards correctly specify the data set being OPEN'ed.

7.16 Keyword Analysis Utility

This section contains an explanation of all messages produced by the UTNDXKAN utility.

3901 UNDEFINED FIELD XXXXXXX.

Cause - The field/group name is not defined on the FFT. No further processing of the indicated field is done. The run continues with valid fields only.

3903 UNDEFINED CONTROL STATEMENT.

Cause - The statement identifier is not FILE or FIELD. The statement is ignored. The scan continues with the next valid statement identifier.

3905 CONTROL STMT CONTINUATION ERROR.

Cause - Continuation of the statement was indicated with a nonblank character in column 72. However, a new statement was encountered. The statement in error is ignored and processing continues.

3907 FILE STATEMENT OUT OF SEQUENCE.

Cause - A FILE statement has been encountered which is not the first statement in the input stream. The run is terminated.

3909 INVALID FILE STATEMENT OPERAND.

Cause - Self-explanatory. The run is terminated.

3911 INVALID FIELD STATEMENT OPERAND.

Cause - Self-explanatory. The statement in error is ignored, and processing continues.

3913 SCAN SUBROUTINE BYPASS OR NOT SPECIFIED.

Cause - Either BYPASS was specified for the scan function or no scan subroutine was specified. The statement in error is ignored, and processing continues.

3915 EXCESSIVE NUMBER OF FIELDS.

Cause - More than 50 field statements have been encountered. The maximum number of field statements able to be processed in one run is 50. All remaining statements are not processed. The run continues with processing of the first 50 fields only.

3917 KEYWORD FIELD XXXXXXX, YYYYYYY NOT IN LIBRARY.

Cause - The required scan subroutine or stop word table for the indicated field could not be found in the library. No processing is performed for the indicated field.

Section 8

SYSTEM UTILITY ERROR CODES

This section contains three error codes which are applicable to all components.

3000 Cause - SYSIN device cannot be opened (FFSREAD).

Action - Put a SYSIN DD card in deck.

3100 Cause - SYSPRINT device cannot be opened (FFSPRINT).

Action - Put a SYSPRINT DD card in deck.

3200 Cause - SYSPUNCH device cannot be opened (FFSPUNCH).

Action - Put a SYSPUNCH DD card in deck.

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Commander, Fleet Intelligence Center, Europe, Box 18, Naval Air Station, Jacksonville, Florida 32212----------	1
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20. ABSTRACT (Continue on reverse side if necessary and identify by block number)

This volume presents the errors that may be encountered by the user of the NIPS/360 FFS. The identification, causes, and user actions of these errors are described for each component of the system.

This document supersedes CSM UM 15-74, Volume IX.

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